

Biennial Report  
2011 – 2012



UniversitätsSpital  
Zürich



Universität  
Zürich <sup>UZH</sup>

## content

1. Assignment of the Department of Dermatology  
Zurich University Hospital
2. Mission Statement
3. Team
4. Patient Care
5. Networking
6. Certification & Accreditation
7. Public Relations
8. Research Foundations
9. Research
10. Medical Education/Teaching
11. Partners/Sponsors/Collaboration with Industry  
and Fund Raising
12. Honors and Prizes
13. Publications



# Biennial Report 2011 – 2012

## Foreword

Dear Colleagues, referring Physicians, friends of the Department, patients and readers. It is a great pleasure, in the name of my collaborators at the Department of Dermatology of the Zurich University Hospital, to share with you our biennial report for the years 2011 and 2012. The report highlights significant activities of our Department in patient care, research and teaching as well as special accomplishments of our devoted faculty and staff over the past 2 years.

Our department has set itself the aim of providing top quality patient care, research and education in the fields of dermatology, venerology and allergology, with a strong focus on innovation and leadership in dermatology, immuno-dermatology and allergology. The time frame covered by this biennial report represents my 5th and 6th year chairing a wonderful Department. It reflects a period of consolidation of organizational changes implemented since 2006, the establishment of improved high-level standards of quality management, further growth of clinical and academic activities made possible by strong local support and an increasingly competitive team, the launch of an associated Dermatology Division in the State of Thurgau, the implementation of inpatient care financing according to the new Swiss DRG (Diagnosis Related Groups) in 2012, the attribution of over 6 mio CHF financing over 4 years for a University Research Priority Program “Translational Oncology” in which Dermatology as part of a network which I preside plays a leading role, and the launch in 2011 of the now already successful “Zürcher Fortbildungstage” as a yearly 4-day continuing medical education (CME) event in dermatology, venerology and allergology.

In the last 2 years our senior medical team was able to significantly strengthen itself at the junior faculty level by securing the financing for 3 additional “Oberarzt” positions in 2011 and an additional one in 2012, reflecting an expansion of our cutaneous oncology, dermatopathology, general outpatient and academic laser/aesthetic dermatology activities, as well as a presence within the new ambulatory Dermatology Division in the Thurgau KantonsSpital as a partnership with our Department. The latter partnership has rapidly established itself as a win-win situation, enabling

the State of Thurgau to increase the quality of care in dermatology, and our university hospital to guarantee an increased flow of complex patients to our Department. At an academic level all research groups, scientists, clinician-scientists and clinicians have been extremely productive and innovative again, growing the cumulative impact factor of the Department further to over 800 points, up from 190 in 2006, and this despite unfortunately extremely limited laboratory space. Our drive for innovation, which we hope will ultimately serve patients suffering from skin disease, is supported by the recruitment of Dr. B. Mühleisen a prior resident now returning from a 3-year Postdoc in San Diego as Oberarzt and recipient of an Ambizione Career Development Award of the Swiss National Science Foundation.

So as to assure best possible patient care in times of increasing economic pressure, we set ourselves the objective of achieving internationally recognized standards of quality management. After more than a year of extensive team-work required for improving and standardizing our operating procedures under the direction of our head of quality management (Prof. R. Braun), our whole Department and Skin Cancer Center received ISO 9001 – in 2011 certification of Quality Management. Simultaneously, our Skin Cancer Center was recognized by the German Cancer Society as an OnkoZert certified Skin Cancer Center.

Despite the above mentioned challenges of maintaining or increasing the quality of care, simultaneously to training the dermatologists, academics and health personnel of tomorrow, without increasing funding, and within a fixed limited space allocation, the motivation and devotion of our team, the support – where possible – of the university and hospital, the recognition of our trainees and patients, and the prospect of opening a full and an assistant professorship for experimental dermatology as well as an assistant professorship for skin cancer research in 2013 – 2014 make the future look bright. We look forward to reporting on this in our next biennial report 2013 – 2014.



With these snapshots of significant achievements realized in 2011 – 2012, my collaborators and I invite you to find out more in the pages following, and wish you pleasant reading. Enjoy!



Prof. Dr. med. Lars E. French  
Chairman Department of Dermatology  
University Hospital Zurich

# 1. Assignment of the Department of Dermatology Zurich University Hospital

The Department of Dermatology of the Zurich University Hospital is devoted to provide sustained leadership in research, patient care and education in the fields of dermatology, venerology and allergology.

Our nationally and internationally recognized Department includes centers of excellence for skin cancer, inflammatory and allergic skin diseases as well as dermatological surgery. With a team of 47 specialized physicians we offer high-level patient care in all areas of dermatology, venerology and allergology in the context of our large out-patient ambulatory care clinic (Dermatologische Poliklinik), our inpatient dermatology service, our day care unit, and tertiary care referral clinics in a large number of specialty areas. These include: melanoma and difficult pigmented lesions, non-melanoma skin cancers, cutaneous lymphoma, bullous and autoimmune skin disease, medical dermatology, psoriasis, hair and scalp disease, occupational and contact dermatitis, dermatologic surgery, dermatopathology, and physical therapies (phototherapy, radiotherapy and laser therapy). Our research activities are focussed on basic and translational research with relevance to skin disease, primarily skin cancer and inflammatory skin disease. The efforts of our research groups are reflected by regular high level publications and a high cumulative yearly impact factor. Collaboration and networking with talented scientists and research groups within the University of Zurich, the ETH, collaborative networks such as the Zurich Cancer network, and other leading European Dermatology Centers considerably strengthens our research activities. Education is the third principle field of activity of our Department. In the past few years, our Department has focussed its resources on pre- and post-graduate training as well as on the development and maintenance of our innovative internetbased pre-graduate learning tool – DOIT (Dermatology Online with Interactive Technology).





## 2. Mission Statement

The top priorities of the Department of Dermatology USZ – in close collaboration with other Departments and Institutes of the USZ – are:

- to offer high quality individualized diagnosis and therapy of skin disease, as well as patient education in skin care and prevention of skin disease.
- to provide a high level of teaching and training in dermatology at the pre- and post-graduate level.
- to perform innovative basic and clinical research with the ultimate aim of contributing to improved patient-care.
- to foster constructive collaboration and networks with private practitioners as well as primary and secondary institutional care providers.

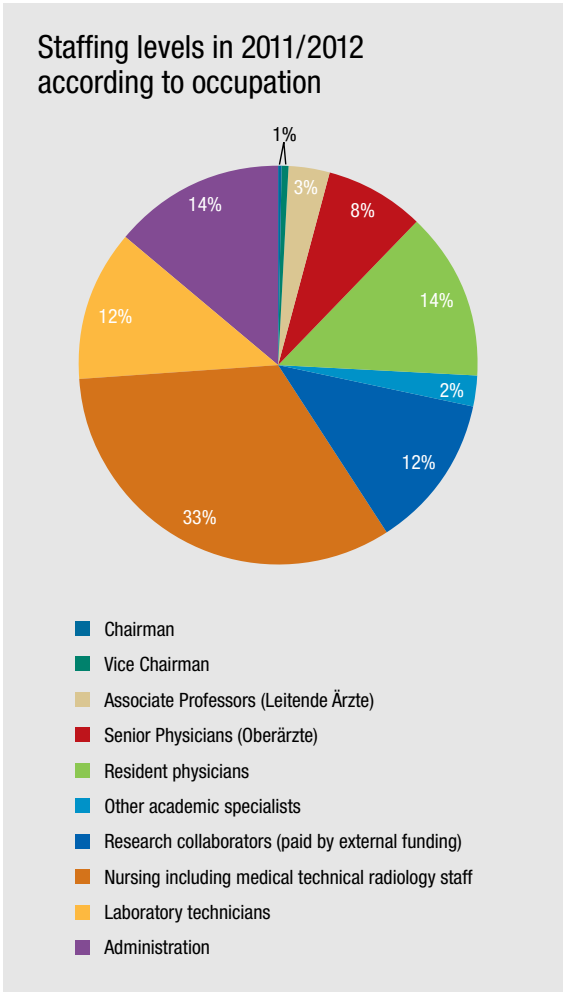
By fulfilling this mission we aim to position our department among the leading Dermatology Departments in Europe.

# 3. Team

The department of Dermatology has a staff of 178 people including medical doctors, nursing staff, medical technical staff, laboratory staff, administrative staff and 25 research collaborators. Routinely, our Department hosts fellows and guests from abroad within its clinical and research activities.



Team Patient Administration



Medical and research staff

## Klinikdirektor



Prof. Dr. med.  
Lars E. French

## Stv. Klinikdirektor

Dermatooncology / Clinical Research /  
Physical Therapies



Prof. Dr. med.  
Reinhard Dummer

## Leitung Pflege



Tina Plötz

## Klinikmanager



Catherine Frey-Blanc

## Leitende Ärzte/innen

|   |                                |  |   |   |  |   |   |
|---|--------------------------------|--|---|---|--|---|---|
| <b>Allergy Unit</b>                     | <b>Research / Allergy Unit</b> | <b>Skin Cancer Prevention and Quality-Management</b> | <b>Out-Patient Unit / Specialized Out-Patient Clinics</b> | <b>In-Patient Units / Dermato-Surgery Angiology</b> | <b>Day-Care Clinic «Wochenklinik» / Phototherapy</b> | <b>Research / Laboratories / Out-Patient Unit</b> | <b>Allergy Unit</b>                         |
|   |                                |  |   |   |  |   |   |
| Prof. Dr. med.<br>Barbara Ballmer-Weber | Prof. Dr. med.<br>Onur Boyman  | Prof. Dr. med.<br>Ralph Braun                        | PD Dr. med. et sc. nat.<br>Antonio Cozzio                 | Prof. Dr. med.<br>Jürg Hafner                       | Prof. Dr. med.<br>Günther Hofbauer                   | PD Dr. med.<br>Thomas Kündig                      | Prof. Dr. med.<br>Peter Schmid-Grendelmeier |

## Oberärzte/innen

|                             |   |                                  |  |   |  |                              |
|-----------------------------|---|----------------------------------|--|---|--|------------------------------|
| <b>Allergy Unit</b>         | <b>Collection of Moulages</b>             | <b>Dermat oncology</b>           | <b>Allergy Unit</b>                            | <b>Aesthetic Dermatology / Laser Medicine</b> | <b>Dermatopathology</b>                        | <b>Dermatopathology</b>      |
|                             |   |                                  |  |   |  |                              |
| Dr. med.<br>Sabine Bruckert | Dr. med.<br>Michael Geiges                | Dr. med.<br>Simone Goldinger     | Dr. med.<br>Wolfram Hötzenecker                | Dr. med.<br>Laurence Imhof                    | PD Dr. med.<br>Jivko Kamarachev                | Dr. med.<br>Katrin Kerl      |
| <b>Dermato-Surgery</b>      | <b>In-Patient Units / Dermatooncology</b> | <b>Dermatopathology Research</b> | <b>Dermato-Surgery / Kantonsspital Thurgau</b> | <b>Aesthetic Dermatology / Laser Medicine</b> | <b>In-Patient Unit / Kantonsspital Thurgau</b> | <b>Pediatric Dermatology</b> |
|                             |   |                                  |  |   |  |                              |
| Dr. med.<br>Severin Lächli  | Prof. Dr. med.<br>Mirjana Maiwald         | Dr. med.<br>Beda Mühleisen       | Dr. med.<br>Stephan Nobbe                      | Dr. med.<br>Bettina Rümmelein                 | Dr. med.<br>Karin Schäd                        | Dr. med.<br>Lisa Weibel      |

## 4. Patient Care

In the Swiss Health Service, inpatient dermatology is virtually exclusively available at the five university hospitals. In contrast, ambulatory care is offered both in the private sector and the public setting of university and state hospitals. As the largest academic dermatology center in Switzerland, the Department of Dermatology at the University of Zurich offers state of the art in-patient medical care for complex and rare skin problems. The department has very skilled surgeons that can perform complex surgical procedures and also histologically controlled procedures. In addition, our department is able to administer complex chemotherapeutic regimens or intravenous immunotherapy including antibodies and fusion molecules. Moreover, we provide an extensive spectrum of outpatient services including highly specialized consultations. Our department benefits from a large area referral base for these specialized activities as well as its own on-site histopathology laboratory.

### **Out-patient unit (Policlinic) & specialized ambulatory care clinics**

Over 30,000 patients are seen upon referral, with a total of over 80,000 patient consultations per year in our dermatology outpatient clinic (Policlinic) lead by PD Dr. A. Cozzio, and our selection of specialized outpatient clinics lead by international experts in their field of dermatology and venereology. In this setting, second-opinions as well as optimal management for emergency situations and complex or therapy-resistant forms of skin disease are offered to the population of Eastern Switzerland and patients from other parts of Switzerland or abroad.

### **Certified Skin Tumor Center (Schwerpunkt Hautkrebs)**

Our skin cancer center runs under the direction of Prof. Dummer with a team of expert skin cancer specialists (Prof. R. Braun, Prof. Dr. G. Hofbauer, PD Dr. A. Cozzio, Prof. Dr. M. Maiwald and Dr. S. Goldinger), and is comprised of the following clinics. The pigmented lesion & skin cancer prevention clinic: this clinic runs under the direction of Prof. R. Braun and makes use of the most modern high tech equipment (confocal microscopy, skin surface videomicroscopy, dermoscopy, total body imaging) for the early detection of melanoma. The skin cancer clinic runs under the direction of Prof. R. Dummer and offers patients with skin cancer of different types (melanoma and non-melanoma skin cancer) highly professionalized treatment and follow-up as well as access to the most innovative clinical trials. The cutaneous lymphoma clinic runs under the direction of PD Dr. A. Cozzio. In the above specialized clinics of our skin cancer center, patients have access to the best standards of diagnosis and care, a multi-disciplinary approach with tumor boards where required, and a broad variety of treatments including: surgical interventions, physical treatment with special light sources or radiotherapy, photopheresis, topical immunomodulatory treatments, targeted cancer therapies and chemotherapy. Patients with certain types of cancer, especially melanoma are offered to have a molecular sub typing of their malignancy that is the basis for the selection of specific targeted therapies, such as Vemurafenib or Imatinib. These molecules have high response rates, even in metastatic melanoma.

The Skin Cancer Center is supported by a world class clinical trial unit. This clinical trial unit is performing phase I, II and III trials. Most of them are international trials sponsored by pharmaceutical companies. The clinical



trial unit plays a central role in the development of the second generation BRAF inhibitors and the second generation smoothened inhibitors. It was also the first clinical trial unit that used immune-modifying antibodies such as ipilimumab and very recently anti-PD L antibodies in the clinic Switzerland. In the context of kinase inhibitors there are very recent data that suggest that MEK kinase inhibitors are powerful therapeutics in NRAS mutated metastatic melanoma. Innovative treatments are also investigating the use of topical substances such as resiquimod.

Investigator-initiated Trials are very important tools to improve the data sets relevant for evidence-based medicine. In close cooperation with the EORTC, there were two investigator-initiated international trials in primary cutaneous T-cell lymphomas (mycosis fungoides), one for early stages comparing PUVA-therapy to a combination of PUVA and bexarotene and one for advanced stages investigating pegylated liposomal doxorubicin in tumor stage mycosis fungoides. Both trials finally have been closed successfully, and the intriguing results are available as decent publications.

Our inflammatory skin disease research group has been involved in several international trials sponsored by pharmaceutical companies too. Among molecules tested in psoriasis are antibodies against IL-17 and IL-17 receptor as well as small molecules targeting S1P1 and phosphodiesterase 4. Several innovative investigator-initiated trials are also being conducted in pyoderma gangraenosum, chronic urticaria and mastocytosis.

The ongoing clinical trials can be found on our webpage (<http://www.dermatologie.usz.ch/HealthProfessionals/studien/Seiten/AktuelleStudien.aspx>). On this link there are also listed the publications on our clinical research work.

### **Allergology Unit**

The allergology unit of our department is a European certified (GALEN) center of excellence specialized in the diagnosis and treatment of acute and chronic allergic disease. Managed by Prof. P. Schmid and Prof. B. Ballmer-Weber, our allergy unit has developed a special focus on skin allergy, food allergy, drug allergy and desensitization protocols (specific immunotherapy), for example for life-threatening insect sting allergies.

### **Surgery Unit**

Our surgical unit and its experienced team of dermatological surgeons (Dr. S. Läubli and Prof. J. Hafner) have developed a renown activity in general dermatological surgery with a focus on skin cancer surgery and chronic wound surgery. High-end techniques such as micro-

graphic surgery (MOHS) for complex skin cancer cases, ablative laser treatments or fibrotic tissue shaving and skin transplantation for complex wounds are regularly performed with a high level of patient satisfaction in this unit.

### **Physical Treatment Unit – including Radiotherapy, Phototherapy & Laser Unit**

This unit lead by Prof. R. Dummer and Prof. Dr. G. Hofbauer is equipped with the latest physical therapy technologies, including UVA1 devices and a full laser and Intense Pulsed Light (IPL) platform. Recently, two modern X ray devices for superficial radiotherapy of skin cancer and selected refractory inflammatory diseases have been installed. Over 3000 treatments are performed per year.



Team Dermatopathology

The Department of Dermatology has a long-lasting interest in the application of laser technology. The laser therapy unit has 10 treatment devices that allow to treat the full spectrum of vascular and pigmented skin lesions including several Q-switched lasers for tattoo removal. Currently, there are two master students studying the circumstances of the tattoo and the psychological impact.

In the last years – under the direction of Dr. Bettina Rümmelein – we have also developed the treatment with fractional CO<sub>2</sub>-lasers in order to correct scars and actinic elastosis. In the outpatient clinic for aesthetic dermatology hyaluronic acid injections and botox injections are performed in order to provide the full spectrum of medical aesthetic interventions and training in this field.

#### Day care clinic and weekday in-patient clinic

Our day care clinic under the direction of Prof. Dr. G. Hofbauer with a specialized multidisciplinary team of doctors and nurses provides a unique setting for complex ambulatory topical or systemic therapy of refractory skin diseases, including the infusion of biologicals and chemotherapies. The same team also has 10 beds to

provide rapid complex in-patient workups and short in-patient therapies in the context of our weekday inpatient clinic. This new concept developed in 2007 to cost efficiently match the medical needs of a significant subset of our patients and referring physicians (intermittent in-patient care, short diagnostic work-ups, short in-patient therapy) has been highly successful and associated with a significant reduction in our overall mean length of in-patient hospital stay.

**Autoimmune skin diseases:** in this specialized consultation patients with diseases due to an overactive immune response and associated skin symptoms are offered complex dermatological and/or systemic therapy by specialized medical and nursing staff. Sequential treatments regimens under conditions of optimal compliance are frequently performed in this setting for our patients with psoriasis and other autoimmune diseases, eczema and infectious skin diseases for example. Extracorporeal photopheresis, an immunomodulatory treatment for organ transplant recipients suffering organ rejection, and for cutaneous lymphoma patients is performed daily with our three photopheresis units in the day care clinic.

#### In-patient clinic

Our in-patient clinic with 26 beds, 8 of which are available for semi-private and privately insured patients is unique with respect to the medical expertise and the level of integrated medical and dermatological care that the highly specialized but also uniquely caring team of nurses and doctors offers. Under the direction of senior medical staff (Prof. L. French, Prof. R. Dummer, Prof. J. Hafner, Dr. K. Schad) solutions are found for the management of the most severe forms of skin disease including complex autoimmune skin disease, skin cancer,

#### Dermatopathology

Essential for quality the main focus of our clinical activities



#### Dermatooncology

- Center of Reference for Melanoma
- Center of Reference for Cutaneous Lymphoma
- MOHS (Micrographic Surgery of Skin Tumors)

#### Immunodermatology

Statistics: Number of biopsies per year since 2010 – 2012

|          | 2010   | Δ 2009% | 2011   | Δ 2010% | 2012   | Δ 2011% |
|----------|--------|---------|--------|---------|--------|---------|
| Biopsies | 25,553 | + 10.4% | 28,675 | + 12%   | 28,435 | + 0%    |

therapy resistant atopic dermatitis and complex clinical presentations of skin disease for which an appropriate diagnostic and therapeutic approach needs to put in place. The concentrated medical expertise and friendly atmosphere makes this in-patient unit unique in its kind and regularly appraised by patients.

### Nursing

The care in the Dermatology distinguishes itself through a high level of flexibility and innovative strength. A specialist career model was developed in close collaboration with the Center for Clinical Nursing Science of the university hospital of Zurich, which fulfills the new Swiss education requirements for care. At the same time the future skill and grade mix for Dermatological Care was captured and planned. To meet future challenges, a care portfolio with a 5-year plan was developed and gradually implemented. It is based on the concept of Shared Governance with the sectors care management, care education and professional care. For presenting the impacts of the introduction of Diagnosis Related Groups, the Care Department of the Dermatological Clinic also took part in a national accompanying research.

The oncological care unit was supported further and was characterized by an expansion of the collaboration in the tumor center of the university hospital Zurich. Furthermore, the palliative treatment of a patient with a metastatic melanoma was intensified. Qualified personnel with a specific education in palliative care could be won and the collaboration with the competence center Palliative Care of the university hospital of Zurich was extended. There are weekly multidisciplinary meetings to determine the best possible care and treatment plan for the patient. This development was accompanied by the introduction of the distress thermometers as standardized screening instrument for capturing psychological, physical and spiritual suffering of all stationary oncological patients.

It was possible to further expand the lectures about dermatological care at the University of Applied Sciences in Zurich, in the bachelor as well as the master program. There is a close collaboration with the Swiss professional dermatology care group, among other things, through regular meetings and participation via presentations at the national congress of the group.

### Dermatopathology

The first certified dermatology teaching center in Switzerland, Center of Reference for Melanoma, Center of Reference for Cutaneous Lymphoma Dermatopathology is the backbone of dermatology and an indispensable diagnostic facility for a center devoted to the provision of excellent patient care for patients suffering from the



most challenging forms of skin disease. Under the direction of Prof. R. Dummer, a team of 2 senior european board-certified dermatopathologists (PD J. Kamarachev & Dr. K. Kerl) and a resident, our dermatopathology provides expert dermatopathological diagnoses in over 28,400 patient samples per year (45 % inhouse & 55 % external referrals). Additionally this team provides specialized diagnostic tests including direct immunofluorescence on skin biopsies for autoimmune skin disease.

### Laboratory facilities

The laboratory facilities of the department include labs devoted to routine lab procedures, and labs devoted to research. The department manages fully equipped dermatopathology, allergology, mycology, serology / venerology and 8 competitive skin disease and allergy research laboratories.

### Interdisciplinarity within USZ

Several dermatologic disorders are associated with involvement of other vital organs, and this best managed in a collaborative and interdisciplinary manner. Regular tumor boards, collaboration with the plastic surgeons and other departments of the USZ as well as immunology and rheumatology joint rounds contribute to guaranteeing an optimal standard of care.

### Key Figures

|  | 2012   |
|--|--|
| Revenues (medical services)                    | 39 mio CHF<br>(previous year 32 mio CHF)           |
| Consultations out-patient setting              | 75,329 (billed)                                    |
| Patient entries in in-patient setting          | 1,251<br>(thereof 30 % privately insured patients) |
| Mean Duration of stay                          | 6.9 days   |
| Occupation of inpatient beds (percent)         | 89 %   |
| Employees (full-time equivalents)              | 188  |
| plus externally financed persons (Drittmittel) | 35   |

## 5. Networking

### New dermatological outpatient clinic State Cantonal Hospital Frauenfeld

A new dermatological outpatient clinic is being operated at Frauenfeld by the Spital Thurgau AG (STGAG) since March 1<sup>st</sup> 2011. Prior to this, due to an increased demand for dermatological services, a shortage both for outpatients and inpatients in the canton of Thurgau became apparent. This situation prompted the STGAG management to begin planning for the provision of dermatological services in close collaboration with the dermatology department of the University Hospital Zurich (USZ). The creation of a level 2 centre between primary dermatological care and a university clinic was appealing.

The new dermatological outpatient clinic is organisationally integrated into the medical department of the State Hospital of Frauenfeld (chief physician Prof. Beat Frauchiger). Under the lead of PD Dr. Antonio Cozzio, the USZ dermatologists Dr. Karin Schaad, Dr. Katrin Baumann und Dr. Stephan Nobbe incorporated their ideas into the concept. Since the beginning, the department has been run by two senior dermatologists (“Oberärzte”) from the dermatology department USZ, who divide their hours between the USZ and the State Hospital Frauenfeld, working 50 % at each. The current senior dermatologists in Frauenfeld are Dr. Stephan Nobbe and Prof. Dr. Mirjana Maiwald (until March 2013)/Dr. Isabel Kolm (from April 2013). In order to manage the increasing number of consultations, a 6-month rotation for senior dermatology-residents from the USZ was introduced in April 2013.

The outpatient clinic has been very popular since opening. The service covers a broad spectrum of outpatient dermatology. The majority of patients are referred by practising physicians, from both primary carers and specialists. In addition the outpatient clinic is responsible for all dermatological in-patient consultations in the whole STGAG. Furthermore special consultation hours are held on a monthly basis with professors from the USZ Dermatology department.

After two years of operation the results are very positive and the outpatient clinics is a valuable addition to the dermatological services of the State of Thurgau.



# 6. Certification & Accreditation

## Main Fields of activity

Our aim is to ensure that our organization and our services are consistent and of best possible quality. Our activities can be divided in the following four main components: quality planning, quality control, quality assurance and quality improvement. Our activities are not only focused on service quality, but also the means to achieve it. Our quality management therefore uses quality assurance and control of processes such as PDCA (plan–do–check–act or plan–do–check–adjust) to achieve more consistent quality.

In order to achieve this goal, we intentionally chose a multidisciplinary approach in order to reach out to all groups of professions and to break barriers between those groups.

Our main focus of interest is the permanent improvement of the quality of care, the safety of our patients, and the satisfaction of our collaborators, referring physicians and most importantly patients.

In order to achieve this, we cover topics such as complaint management, Critical Incident Report System (CIRS) and surveys (patients, collaborators and referring physicians) among others.

One of the central activities is the analysis and critical appraisal of all processes in the institution. In order to improve the standard of care we introduced a quality manual which is reviewed and updated on a regular basis.

We use quality assurance and process control to achieve, maintain and permanently improve the quality of our care. We formulate annual goals, execute and follow up on them using an interdisciplinary approach breaking down barriers and involving all collaborators in this process.

The department is ISO 9001: 2008 certified by Swiss TS since 2011. This certificate does not only cover the Clinic but has been intentionally extended to research, education and laboratories.

Our skin cancer centre is certified by the Deutsche Krebsgesellschaft (DKG) via Onkozert since 2011.

We are in charge of the certifications but consider the real challenge to make the step from simply fulfilling requirement catalogs to real quality management projects where everyone (collaborators, patients and referring physicians) can feel the improvement.



Team Certification and Accreditation:  
Markus Musholt, Dr. Karin Schad,  
Prof. Dr. Ralph Braun



## 7. Public Relations

Communication with, and information of the public, political organs, patient organisations and private practitioners is an activity that we view as important and part of our mission. Using several communication channels including interviews/commentaries in local and regional press, radio or television, regularly updated information and news on our website [www.dermatologie.usz.ch](http://www.dermatologie.usz.ch), and a regular newsletter – in collaboration with the Zurich Dermatology Society – “DermaZH”, we try to provide regular and active information exchange with the public and with the medical community.

In line with our focus on excellence in skin cancers, skin cancer prevention and early detection of skin cancer is a clear priority. High level prevention and early detection of skin cancer requires the transfer of information to the population and a continuous education effort for the population and physicians. In collaboration with the Swiss cancer league, regional cancer leagues, and the Swiss Society for Dermatology and Venerology we regularly distribute printed and electronic information concerning skin cancer, best practices for prevention, and organise public events such as the yearly melanoma Monday (free melanoma screening day). During our 2012 melanoma Monday more than 1000 patients received free skin cancer screening in our department. Our allergy unit also organizes “teaching evenings” for parents of children suffering from atopic eczema (neurodermitis) together with AHA (the Swiss patient organisation for atopic diseases).

National Skin Cancer Day 2012



## 8. Research Foundations

Our department has two charitable foundations aimed at ultimately improving patient care by providing support for high quality research on the mechanisms of skin disease. The activities of the foundations are made possible by generous donations from patients and the public as well as industry.

### Bruno Bloch-Stiftung

- [www.brunoblochstiftung.ch] founded in 1935 by the widow of Prof. Bruno Bloch, Chairman of the Zurich Dermatology Department between 1916 and 1933; this foundation supports skin research and education activities specifically at the department of dermatology of the university of Zurich, including research on severe skin diseases such as inflammatory skin disease and skin cancer.
- One of the traditions and highlights of the Bruno Bloch Foundation are the yearly Memorial Lectures which take place in an Auditorium filled with over 200 Faculty Members and Students at the Zurich University Hospital in February. In 2011, the Bruno-Bloch Memorial Lecture was held by Professor Alexander Enk from Heidelberg, Germany, covering in an exceptional manner progress made in the field of autoimmune bullous diseases. In 2012 the Bruno-Bloch Memorial Lecture was devoted to psoriasis and its pathogenesis given by former resident and scientist of the Department of Dermatology in Zurich, now distinguished Chairman of Dermatology in Lausanne, Switzerland, Professor Michel Gilliet.

 Stiftung Bruno Bloch  
für eine gesunde Haut

### Bruno Bloch-Stiftung für eine gesunde Haut

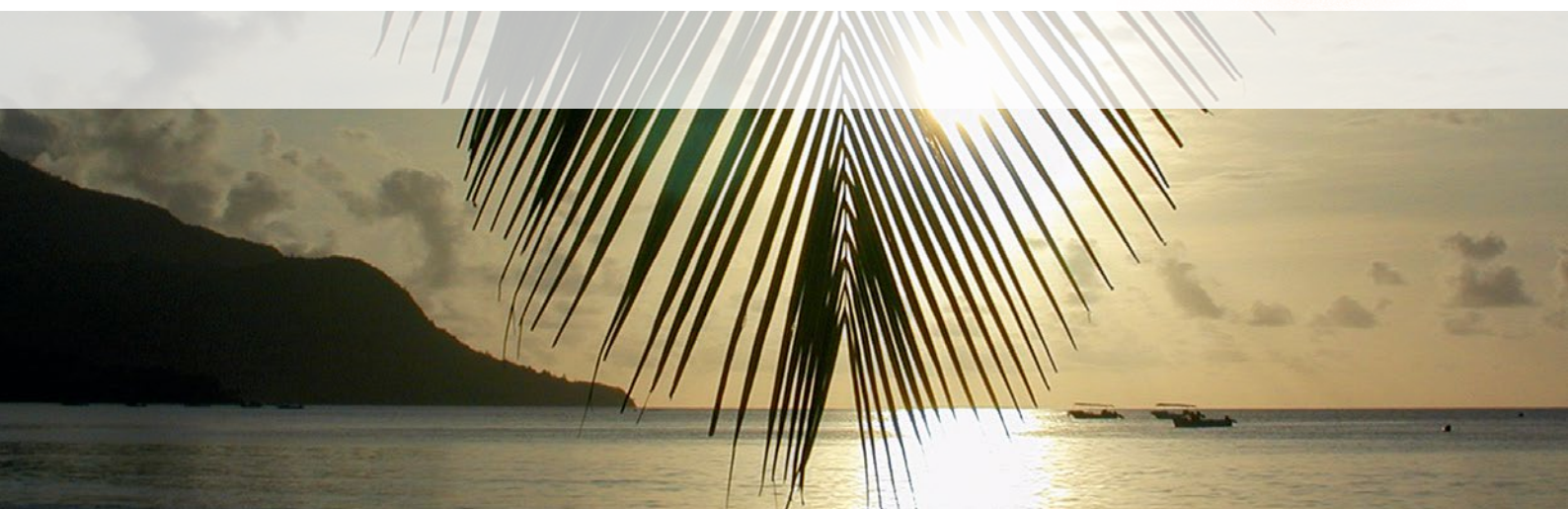
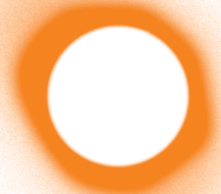


Gedächtnisvorlesungen:

|                            |                           |                         |                        |
|----------------------------|---------------------------|-------------------------|------------------------|
| Prof. U. Schwydt, 1991     | Prof. H. Wolff, 1999      | Prof. R. Kaufmann, 2006 | Prof. T. Ruzicka, 2013 |
| Prof. E. Schöpf, 1992      | Prof. St. Büchner, 2000   | Prof. N. Yawalkar, 2007 |                        |
| Prof. O. Braun-Falco, 1993 | Prof. H. Kerl, 2001       | Prof. M. Hertl, 2008    |                        |
| Prof. E. Frenk, 1995       | Prof. L.R. Braathen, 2002 | Prof. P. Hin, 2009      |                        |
| Prof. Th. Ruffli, 1996     | Dr. G. Albrecht, 2003     | Prof. Th. Schwarz, 2010 |                        |
| Prof. D. Petzoldt, 1997    | Prof. D. Hohl, 2004       | Prof. A. Enk, 2011      |                        |
| Prof. R. Panizzon, 1998    | Prof. R. Elsner, 2005     | Prof. M. Gilliet, 2012  |                        |

### Association for Research on Cancer of the Skin (Verein für Hautkrebsforschung)

- [www.skincancer.ch] – founded in 2004 – aims to coordinate and stimulate skin cancer research in Switzerland by supporting research in rare and severe forms of skin cancer (e.g. melanoma, cutaneous lymphoma). The board consists of Prof. Dr. R. Dummer, Zurich, Prof. Dr. L. French, Zurich, Prof. Dr. D. Hohl, Lausanne, Prof. Dr. R. Hunger, Berne, Prof. Dr. R. Kaufmann, Frankfurt, and Prof. Dr. W. Kempf, Zurich; it is currently chaired by Prof. R. Dummer. The current goal is to generate a substantial contribution to clinical and experimental skin cancer research in the department in Zurich and in other institutions in Switzerland.



# 9. Research

We aim to continuously improve the quality of our services to patients and are therefore critically dependent on innovation and research. Our department is committed to the highest level of research in dermatology, and our achievement in this field – as judged by the cumulative impact factor for 2011 and 2012 (467 and 860) – positions us amongst the worlds leading Departments in the field.

Our research activities are primarily focussed on basic, patient-oriented translational, and clinical research in:

- dermatology, where we focus on the pathogenesis, early diagnosis and molecular targeted treatment of skin cancer, particularly in melanoma, cutaneous lymphoma, and non-melanoma skin cancers.
- immunodermatology, especially innate immunity and T-cell biology in inflammatory skin diseases, notably psoriasis, neutrophilic dermatoses, cutaneous drug eruptions, and severe allergic adverse drug reactions.
- allergology, emphasizing on drug and food allergies, and specific immunotherapy.

### Aim of our research activities

- to promote high quality research with clinical relevance in the defined above mentioned fields of focus.
- intensive networking and collaboration with other institutes and departments at the Zurich University and ETH, as well as through active participation in networks such as the “Cancer Network Zurich” and “life sciences Zurich”.
- to support fellowships abroad in excellent research institutions, and maximize competitive research funding including that from the Swiss National Science Foundation (incl. SNF professorships).
- to create two endowed professorships in our Department in inflammatory skin disease and skin cancer research respectively, with the aim of recruiting or retaining leaders in these research fields to our department.



### Key Figures and Highlights

Approx. 50 ongoing clinical trials on new therapeutic approaches in skin disease – corresponding to around 20 % of all studies performed at the USZ.

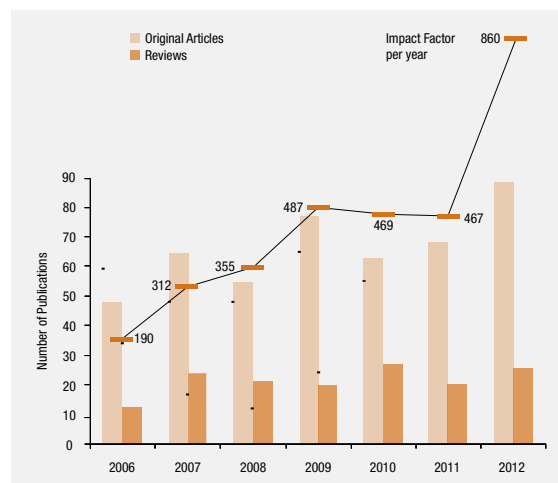
Approx. 80 original and 30 review articles published in peer-reviewed journals in 2011 and 2012

Several high impact publications in interdisciplinary Journals, such as:

- Gassner M et al. Hay fever as a Christmas gift. N Engl J Med 2012.
- Dummer R, et al. Ultraviolet A and photosensitivity during vemurafenib therapy. N Engl J Med 2012
- Hu B, et al. Multifocal epithelial tumors and field cancerization from loss of mesenchymal CSL signaling. Cell 2012

New intellectual property: in the last five years 6 patent applications have been submitted / registered.

Promotion of academic renewal: 3 young clinician-scientists from our Department are performing fellowships in leading academic centers in the United States.



## Research Groups



### Group Members

Prof. Dr. med. Barbara Ballmer-Weber  
(group leader)  
Dr. med. N. Gräni  
Dr. med. A. Moser  
Dr. med. C. Lang  
Irène Cuhat

### Main Fields of Research

Our research activities are focused on food allergy, in particular pollen related food allergy. We are particularly involved into the identification and molecular characterisation of important cross-reactive allergens, and the development of diagnostic and therapeutic methods based on recombinant allergens. Allergen based or component resolved diagnosis in food allergy is a major topic of our research group. Another important aspect of our research activity is risk assessment in food allergy in regard to genetic modified foods/novel foods but also threshold doses (minimal allergen doses to induce an allergic reaction) of plant and animal food allergens.

### Selected References

Ballmer-Weber BK, Skamstrup Hansen K, Sastre J, Andersson K, Bätischer I, Ostling J, Dahl L, Hanschmann KM, Holzhauser T, Poulsen LK, Lidholm J, Vieths S. Component-resolved in vitro diagnosis of carrot allergy in three different regions of Europe. *Allergy* 2012; 67(6): 758-66.

Mackie A, Knulst A, Le TM, Bures P, Salt L, Mills ENC, Malcolm P, Andreou A, Ballmer-Weber BK. High fat food increases gastric residence and thus thresholds for objective symptoms in allergic patients. *Mol Nutr Food Res* 2012, 56:1708-14

Bublin M, Pfister M, Radauer C, Oberhuber C, Bulley S, Dewitt AM, Lidholm J, Reese G, Vieths S, Breiteneder H, Hoffmann-Sommergruber K, Ballmer-Weber BK. Component-resolved diagnosis of kiwifruit allergy with purified natural and recombinant kiwifruit allergens. *J Allergy Clin Immunol*. 2010;125:687-94.



### Group Members

Dr. sc. nat. Philipp P. Bosshard (group leader)

Dr. med. Martin Glatz  
Nada Juricevic

### Main Fields of Research

Our research activities focus on (i) sexually transmitted diseases (e.g. development and evaluation of molecular methods for etiologic diagnosis, e.g. evaluation of serological tests); (ii) fungal infections (e.g. optimization of diagnostic procedures); (iii) other dermatological infections (i.e. tick-borne diseases).

### Selected References

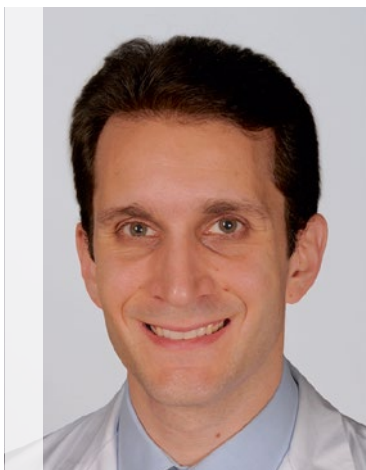
Fröhlich Knaute D, Graf N, Lautenschlager S, Weber R, Bosshard PP. Serological response to treatment of syphilis according to disease stage and HIV status. *Clin Infect Dis*. 2012; doi: 10.1093/cid/cis757.

Bosshard PP, Graf N, Fröhlich Knaute D, Kündig T, Lautenschlager S, Weber R. Response of *Treponema pallidum* Particle Agglutination (TPPA) test titers to treatment of syphilis. *Clin Infect Dis*. 2012; doi:10.1093/cid/cis850. Bosshard PP. Incubation of fungal cultures: how long is long enough? *Mycoses*. 2011;54(5):e539-545.

Donghi D, Hauser V, Bosshard PP. *Microsporum audouinii* tinea capitis in a Swiss school: Assessment and management of patients and asymptomatic carriers. *Med Mycol*. 2011;49(3):324-328.

Ciaro DE, Schär G, Böttger EC, Altwegg M, Bosshard PP. Internal transcribed spacer sequencing versus biochemical profiling for identification of medically important yeasts. *J Clin Microbiol*. 2006;44(1):77-84.





**Group Members**  
Prof. Dr. med. Onur Boyman (group leader)

Dr. Grégory Bouchaud, PhD  
Dr. Antonios Kolios, MD  
Dr. Carsten Krieg, PhD  
Natalia Arenas Ramirez, PhD student  
Noemi Bertel, MD student  
Miro E. Raeber, MD student  
Janine Woytschak, PhD student  
Emerita Ammann Meier  
Christa Dudli-Furrer  
Koray Thomasson

**Main Fields of Research**

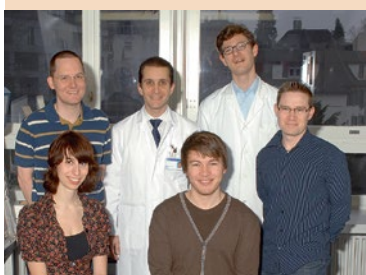
We are interested in approaches harnessing the stimulation of the immune system against cancer, including melanoma, or in dampening harmful immune responses such as seen in inflammatory and autoimmune diseases, including psoriasis, inflammatory bowel disease and type 1 diabetes. One of our research focuses deals with the modification of cytokines for improved immunotherapy.

**Selected References**

Krieg C, Letourneau S, Pantaleo G, Boyman O. Improved IL-2 immunotherapy by selective stimulation of IL-2 receptors on lymphocytes and endothelial cells. *Proc Natl Acad Sci U S A* 2010;107:11906-11911.

Boyman O, Sprent J. The role of interleukin-2 during homeostasis and activation of the immune system. *Nat Rev Immunol* 2012;12:180-190.

Levin AM, Bates DL, Ring AM, Krieg C, Lin JT, Su L, Raeber ME, Bowman GR, Novick P, Pande VS, Kohrt HE, Fathman CG, Boyman O, Garcia KC. An interleukin-2 superkine engineered by toggling a conformational switch. *Nature* 2012;484:529-33.



**Group Leader**  
Prof. Dr. med. Ralph Braun

**Main Fields of Research**

Our main interest is non invasive diagnosis of skin cancer especially malignant melanoma. We use established techniques such as dermoscopy as well as new techniques in vivo laser scanning microscopy, dermoscopy. Due to different international research collaborations our patients benefit directly from the latest technological developments. Detecting skin cancer especially melanoma at early stages offers an unique opportunity because if diagnosed early enough skin cancer can be cured.

**Selected References**

Braun, R. P., et al. (2012). Agreement of dermatopathologists in the evaluation of clinically difficult melanocytic lesions: how golden is the 'gold standard'? *Dermatology*, 224(1), 51 – 58.

Balagula, Y., Braun, R. P., et al. (2012). The significance of crystalline / chrysalis structures in the diagnosis of melanocytic and nonmelanocytic lesions. *Basal Cell Carcinoma and Atypical Fibroxanthoma: an Unusual Collision Tumor.*, 67(2), 194.e1 – 8. *j.jaad*.2011.

Badertscher, N., Rosemann, T., Tandjung, R., & Braun, R. P. (2011). minSKIN Does a multifaceted intervention improve the competence in the diagnosis of skin cancer by general practitioners? Study protocol for a randomised controlled trial. *Trials*, 12(1), 165.



**Group Leader**  
PD Dr. med. Dr. sc. nat. Antonio Cozzio

**Main Fields of Research**

The focus of our research group is cutaneous lymphoma and Merkel cell carcinoma (MCC). We aim to understand the inflammatory processes in the TH2 driven immunologic setting of cutaneous T cell lymphoma. How do the neoplastic T cells subdue the adaptive immune system, and is there a way to turn this deleterious process around? Another aspect of our research activity is the analysis of the immune response in MCC depending on the polyoma virus status of this highly aggressive skin tumour.

Guenova E, Watanabe R, Teague JE, Desimone JA, Jiang Y, Dowlatshahi M, Schlapbach C, Schaeckel K, Rook AH, Tawa M, Fisher DC, Kupper TS, Clark RA. Th2 cytokines from malignant cells suppress Th1 responses and enforce a global Th2 bias in leukemic cutaneous T-cell lymphoma. *Clin Cancer Res*. 2013

Morand G, Vital D, Pézier T, Holzmann D, Roessle M, Cozzio A, Huber GF. Merkel cell carcinoma of the head and neck: a single institutional experience. *J Skin Cancer*. 2013

Mangana J, Dziunycz P, Kerl K, Dummer R, Cozzio A. Prevalence of Merkel cell polyomavirus among Swiss Merkel cell carcinoma patients. *Dermatology*. 2010;221(2):184-8.



**Group Members**

Prof. Dr. med. Reinhard Dummer  
(group leader)

Mitch Levesque, Ph.D, group leader  
melanoma

Simone Goldinger, MD  
Sima Rozati, MD  
Marieke Raaijmakers, MD  
Daniel Widmer, Ph.D  
Phil Cheng, Ph.D student  
Daniel Hug  
Jil Dreier

**Main Fields of Research**

We have intensively studied the immune biology of cutaneous lymphomas, cutaneous melanoma and epithelial skin cancers. Based on the microenvironment of these tumors, we have established immune interventions in cell cultures and animal models. Translational research applies this new knowledge to our patients in order to provide effective treatment with best quality of life.

**Selected References**

Dummer R et al. Prospective International Multicenter Phase II Trial of Intravenous Pegylated Liposomal Doxorubicin Monochemotherapy in Patients With Stage IIB, IVA, or IVB Advanced Mycosis Fungoides: Final Results From EORTC 21012. *J Clin Oncol.* 2012; 30:865-7

Goldinger SM et al. Nano-particle vaccination combined with TLR-7 and -9 ligands triggers memory and effector CD8(+) T-cell responses in melanoma patients. *Eur J Immunol.* 2012 Nov;42(11):3049-61

Flaherty KT et al. Combined BRAF and MEK inhibition in melanoma with BRAF V600 mutations. *N Engl J Med.* 2012 Nov;367(18):1694-703.

Shakhova O et al. Sox10 promotes the formation and maintenance of giant congenital naevi and melanoma. *Nat Cell Biol* 2012 Aug; 14(8):882-90



**Group Members**

Prof. Dr. med. Lars E. French (group leader)  
Dr. sc. nat. Emmanuel Contassot (principal investigator)

Dr. med. Dr. sc. nat. Atsushi Otsuka  
Dr. sc. nat. Dragana Jankovic  
Dr. sc. nat. Magdalena Kistowska  
Samuel Gehrke (PhD student)  
Roman Huber (PhD student)  
Gabriele Fenini (PhD student)  
Tatiana Proust (Lab technician)

**Main Fields of Research**

Our objective is to identify and elucidate immunological and molecular mechanisms involved in the pathogenesis of skin diseases as a template for the discovery of novel therapeutic approaches. Our research activities are focussed on the mechanisms leading to innate immune responses in the skin upon exposure to pathogen and/or danger signals. We are particularly interested in the molecular events involved in Interleukin-1beta processing and secretion during the course of inflammatory dermatoses.

**Selected References**

Viard-Leveugle I, Gaide O, Jankovic D, Feldmeyer L, Kerl K, Pickard C, Roques S, Friedmann PS, Contassot E, French LE. TNF- $\alpha$  and IFN- $\gamma$  are Potential Inducers of Fas-Mediated Keratinocyte Apoptosis through Activation of Inducible Nitric Oxide Synthase in Toxic Epidermal Necrolysis. *J Invest Dermatol.* 133:489, 2013

Contassot E, Jankovic D, Schuler P, Preynat-Seaue O, Gehrke S, Kerl K, Beermann F, French LE. Carcinogen treatment in mouse selectively expressing activated N-Ras Q61K in melanocytes recapitulates metastatic cutaneous melanoma development. *Pigment Cell Melanoma Res.* 2012 Mar;25(2):275-8



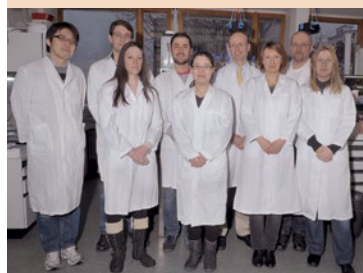
**Group Members**

Prof. Dr. med. Jürg Hafner  
(group leader)

Dr. med. Severin Lächli  
Dr. med. Stephan Nobbe  
Dr. med. Karin Schad  
Dr. med. Laurence Feldmeyer  
Dr. med. Claude Luder

**Main Fields of Interest**

Clinical research in dermatologic oncologic surgery, vascular medicine and wound healing. Ongoing studies concern the fields of non-melanoma skin cancer, hypertrophic scars and keloids, Martorell hypertensive ischemic leg ulcer, medical compression therapy, living skin equivalents and phytotherapy of chronic wounds. Research is supported by the JH Rahn Foundation ([www.jhrah-foundation.ch](http://www.jhrah-foundation.ch)) for clinical research and postgraduate training in dermatologic surgery, phlebology and wound healing.





**Group Members**  
 PD Dr. med. Günther Hofbauer  
 (group leader)

Dr. rer.nat. Guergana Iotzova  
 Dr. med. Piotr Dziunycz  
 Sandra Freiberger, dipl. biol.  
 Johannes Neu, dipl. biol.  
 Dr. med. Daniella Jenni Schönecker

**Main Fields of Research**

Our research activities are focused on squamous cell carcinoma of the skin. We have a special interest in organ transplant recipients as a high-risk population for the development of squamous cell carcinoma of the skin stemming from the combined effects of immunosuppression and ultraviolet light. Our research is thus focused on inflammation fighting the or contributing to the cutaneous carcinogenesis as well as on the role of UV damage in particular in conjunction with medication.

**Selected References**

Günther F.L. Hofbauer, Natalie R. Attard, Catherine A. Harwood, Jane M. McGregor, Piotr Dziunycz, Guergana Iotzova-Weiss, Gilles Straub, Rafael Meyer, York Kamenisch, Mark Berneburg, Lars E. French, Rudolf P. Wüthrich, Peter Karran, and Andreas L. Serra. Reversal of UVA skin photosensitivity and DNA damage in kidney transplant recipients by replacing azathioprine. *Am J Transplant* 2012;12(1):218-25

B. Mühleisen, I. Petrov, S. Frigerio, L.E. French, G.F.L. Hofbauer. High loss of heterozygosity rates on chromosome 9p in cutaneous squamous cell carcinoma. *Arch Dermatol* doi 10.1001/ archdermatol.2012.107

Wu X, Nguyen BC, Dziunycz P, Chang S, Brooks Y, Lefort K, Hofbauer GF, Dotto GP Opposing roles for calcineurin and ATF3 in squamous skin cancer. *Nature*. 2010;465(7296):368-72.



PD Dr. med. Thomas Kündig  
 Head of Research, Dept. of Dermatology

**Group Members**  
 Ying Men-Wäckerle, PD PhD  
 Pål Johansen, PD PhD  
 Antonia Fettelschoss, PhD Postdoc  
 Deepa Mohanan, PhD student  
 Franziska Zabel, PhD student  
 Andrea Mauracher, Master student

**Associated members**  
 (from Clinical Trials Center)  
 Gabriela Senti, PD MD  
 Marian Meli, MD  
 Fabian Tay, MD  
 Christine Tivig, MD

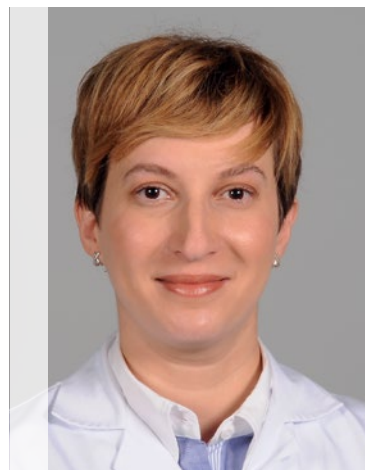
**Main Fields of Research**

The major focus of research for more than 10 years has been the development and testing of new concepts of vaccination and immunotherapy for the treatment of allergies, infections, cancer and inflammatory diseases. Typically, treatment strategies were developed and tested in mice, but several strategies were transferred to clinics with testing in randomised and controlled clinical phase I/II trials.

**Selected References**

Intralymphatic immunotherapy for cat allergy induces tolerance after only 3 injections. Senti G, Cramer R, Kuster D, Johansen P, Martinez-Gomez JM, Graf N, Steiner M, Hothorn LA, Grönlund H, Tivig C, Zaleska A, Soyer O, van Hage M, Akdis CA, Akdis M, Rose H, Kündig TM. *J Allergy Clin Immunol*. 2012

Inflammasome activation and IL-1 $\beta$  target IL-1 $\alpha$  for secretion as opposed to surface expression. Fettelschoss A, Kistowska M, LeibundGut-Landmann S, Beer HD, Johansen P, Senti G, Contassot E, Bachmann MF, French LE, Oxenius A, Kündig TM. *Proc Natl Acad Sci U S A*. 2011



**Group Members**  
 Prof. Dr. med. Mirjana Maiwald (-Uroseciv)  
 Maria Karpova, PhD  
 Ines Kleiber

**Main Fields of Research**

We are investigating different biologic and immunologic aspects of cutaneous T- and B-cell lymphomas that may help develop more efficient and targeted therapeutic approaches. Furthermore, we are interested in dissecting immune pathways that are involved in tumor regression during different types of immunotherapy as well as other targeted therapies not only in cutaneous lymphomas but also in other skin cancers. For this purpose, we are using high throughput gene profiling both on expression as well as on genetic level. As a counterpart of immune response stimulators, we are also keen to elucidate mechanisms governing immune system evasion by the tumor cells.

**Selected References**

Karpova MB, Fujii K, Jenni D, Dummer R, Uroseciv-Maiwald M. Evaluation of lymphangiogenic markers in Sézary syndrome. *Leuk Lymphoma*. 2011;52(3):491-501.

Schoenewolf NL, Uroseciv-Maiwald M, Dummer R. Tumour heterogeneity of mucosal melanomas during treatment with imatinib. *Br J Dermatol*. 2011;165(2):419-24.





**Group Members**

PD Dr. med. Dr. sc.nat. Alexander A. Navarini  
(group leader)

Dr. med. Antonios Kolios  
Dr. med. Yasemin Goeksu

**Main Fields of Research**

Our research activities are focused on the immunology and genetics of psoriasis. In a close collaboration with the Boyman group, we are using cytokine-antibody complexes and inflammatory reagents to study the role of T cell subsets in psoriasis. Clinically, we are interested in the mechanisms of biological inhibition of inflammation by monoclonal antibodies in atopic dermatitis, lupus and psoriasis and the concurrent use of topical immuno-modulatory agents. In addition, we are building a focus on bioinformatics and next generation sequencing to identify pathogenic mutations.

**Selected References**

Topical treatment habits in psoriasis patients receiving adalimumab.

Kolios AG, Rusca F, Reisenbauer K, Cozzio A, French LE, Navarini AA. *Dermatology*. 2012;224(3):228-30.

Interrupting IL-6-receptor signaling improves atopic dermatitis but associates with bacterial superinfection.

Navarini AA, French LE, Hofbauer GF. *J Allergy Clin Immunol*. 2011 Nov;128(5):1128-30



**Group Members**

Prof. Dr. med. Peter Schmid-Grendelmeier  
(group leader)

Dr. med. Meike Distler  
Dr. med. Antonios Kolios  
Dr. med. Christina Weber  
Suzanne Marti-Wyss

**Main Fields of Research**

Our research activities are focused on epidemiology, pathophysiology and treatment of allergic diseases, namely atopic dermatitis. A special focus is given to the use of molecular allergens for improved diagnosis in a variety of allergic diseases. Such component-resolved diagnosis may help for better risk assessment and selection for specific immunotherapy. We also investigate new regimens and therapeutic options in a variety of diseases, from pollen allergy to rarer ones such as mastocytosis and hereditary angioedema.

**Selected References**

IgE to recombinant allergens Api m 1, Ves v 1, and Ves v 5 distinguish double sensitization from crossreaction in venom allergy. Müller U, Schmid-Grendelmeier P, Hausmann O, Helbling A. *Allergy*. 2012 Aug;67(7):1069-73.

A genome-wide meta-analysis of genetic variants associated with allergic rhinitis and grass sensitization and their interaction with birth order.

Ramasamy A, Curjuric I, Coin LJ, Kumar A, McArdle WL, Imboden M, Leynaert B, Kogevinas M, Schmid-Grendelmeier P, Pekkanen J, Wjst M, Bircher AJ, Sovio U, Rochat T, Hartikainen AL, Balding DJ, Jarvelin MR, Probst-Hensch N, Strachan DP, Jarvis DL

,EASIdig<sup>1</sup>-a digital tool to document disease activity in atopic dermatitis. Tresp M, Knafla I, Burg G, Wüthrich B, Schmid-Grendelmeier P. *Dermatology*. 2011;223(1):68-73

# 10. Medical Education / Teaching

Medical education is crucial to guarantee a high level of professionalism of physicians and health care professionals. Our continued implication in education is reflected by

1. Education of students in the medical faculty of the university
2. Specialized training in Dermatology of resident physicians for board-certification in “Dermatology”, and in “Allergology and Immunology” for residents board certifying in allergology and clinical immunology
3. Continuing medical education of private practitioners – mainly dermatologists and allergologists, but also general practitioners and to a lesser extent other health care professions.

Education for students: Senior physicians of our department provide an introductory course for dermatology to 3rd year medical students, a yearly core course in dermatology (8-day Themenblock) to 4th year medical students, repetitive lectures in both, dermatology and allergology in the 6th year, and a practical training course in dermatology in the 6th year of the medical training curriculum at the University of Zurich. In complement to these ex-cathedra and bed-side teaching activities, medical students can benefit from web-based learning using an online platform (DOIT: Dermatology Online with Interactive Technology) developed by our Department under the direction of former Chairman (Prof. Dr. med. Dr. h. c. Günter Burg) in a close collaboration with several other dermatology departments (Basel, Bern, Lausanne, Jena and Stadtspital Triemli in Zurich).

This platform is being continuously improved and currently exists in six languages and two further languages are scheduled. In 2009 the DOIT Platform was elected as the best internet based teaching platform and distinguished with the 50,000 Euro Medida Prize.

## Resident physicians

The Department of Dermatology offers 22 residency positions for the 5 years of obligatory training required for obtaining swiss board certification in dermatology. Demand for residency training in our department is extremely high, with more than 150 applications for approximately 4 available positions per year. 2 training positions are also available for part of the board certification in immunology and allergology, as well as that of angiology. During their residency training in our department, residents benefit of the broadest offer in Switzerland, comprised of a rotation plan through 20

units and specialized clinics covering all subspecialties of dermatology and allergology, including dermatooncology, autoimmune skin disease, trichology (hair disease), dermatosurgery, dermatopathology, physical skin therapy (radiotherapy, UV-therapy, laser), phlebology and others. Following interest from the German, Austrian and Swiss dermatological societies, the online platform for students (DOIT) is now being used as the base for the development of a paneuropean post-graduate online continuing medical education (CME) platform to be named DERMOKRATES. Our Department and Faculty are actively participating in this innovative project.

## Continuing medical education (CME) / Postgraduate training for private practitioners

Our Department and Faculty offer 12–14 CME events and grand rounds per year, comprised in detail of – 6 half-day thematic CME events per year in the University Zurich Irchel (180 – 200 participants), and 6–8 grand rounds and interdisciplinary CME sessions, the latter co-organized with other medical disciplines at USZ. In addition to this, and as of 2007, 4 new CME's per year entitled “Dermatology Update” have been added to our postgraduate teaching program, with the aim of providing a further platform for case presentations, short updates and an overview of important new publications in dermatology (Journal Club).

## Zürcher Dermatologische Fortbildungstage

The “Zürcher Dermatologische Fortbildungstage” were launched in 2011 and immediately proved to be very successful as reflected by the feed-back and the number of participants – mainly practicing dermatologists – which was 220 in 2011 and 240 in 2012. The four day



Our daily rounds “Mittagsvisite”

intensive continuing medical education event offers a mixture of plenary “state of the art” lectures, hand-on workshops at the Department of Dermatology, and a half-day “What’s new” session. The latter provides the participants an overview of the most important devel-

opments in the preceding year. In 2014, the “Zürcher Dermatologische Fortbildungstage” take place in the Zurich Convention Center from June 25 – 28, 2014.

## Overview 2011 and 2012

### Continuing medical education 2011

| Subject / Title  | Type of education                     | Date                    | Organisation                                       |
|--|---------------------------------------|-------------------------|--|
| Lymphomsymposium   | Dermatology                           | February 10, 2011       | Prof. R. Dummer, PD Dr. A. Cozzio, Prof. L. French |
| Chinesische Medizin in der Dermatologie: Altes Wissen – modern evaluiert | Dermatologie Update                   | April 7, 2011           | PD Dr. A. Cozzio                                   |
| 1. Zürcher Dermatologische Fortbildungstage                              | Dermatology                           | June 16 – 18, 2011      | Prof. R. Dummer, Prof. L. French                   |
| Pädiatrische Dermatologie  | Fort- und Weiterbildungskurs der SGDV | September 29 – 30, 2011 | PD Dr. A. Cozzio, Dr. L. Weibel, Prof. L. French   |
| Interdisziplinäre Herausforderungen Dermatologie / Hämatologie           | Interdisciplinary                     | October 27, 2011        | PD Dr. A. Cozzio                                   |
| Neues zu Diagnose und Management von chronischen Wunden                  | Interdisciplinary                     | December 8, 2011        | Dr. S. Lächli, Prof. J. Hafner                     |
| Hirsutismus  | Interdisciplinary                     | December 10, 2009       | Prof. R. Trüeb, Prof. L. French                    |

### Continuing medical education 2012

| Subject / Title                                  | Type of education  | Date               | Organisation                      |
|--|--|--------------------|-----------------------------------|
| Palmoplantare Dermatosen                         | Diagnostic therapeutical problems in dermatology, venerology and allergology | March 1, 2012      | PD Dr. A. Cozzio, Prof. L. French |
| Hautmalignome: Neues zur Prävention und Therapie | Interdisciplinary  | March 29, 2012     | Prof. R. Dummer, Prof. L. French  |
| 2. Zürcher Dermatologische Fortbildungstage      | Dermatology  | June 27 – 30, 2012 | Prof. R. Dummer, Prof. L. French  |
| Dermatologie im Dialog: Klinik und Histologie    | Diagnostic therapeutical problems in dermatology, venerology and allergology | December 6, 2012   | Dr. J. Kamarachev, Dr. K. Kerl    |



Zürcher Dermatologische Fortbildungstage 2011 und 2012 – Chairs and Speakers

## Guest Speakers of our Department in 2011 and 2012

|                   |             |             |  |  |
|-------------------|-------------|-------------|--|--|
| Al-Khafaji        | Mazin       | Dr. med.    | Center for Traditional Chinese Medicine, Brighton and Hove UK            | Dermatology in traditional chinese medicine – an introduction  |
| Argentiano        | Gabriele    | Prof.       | Department of Dermatology, Second University Hospital of Naples, IT      | Spitz/Reed nevi/False positive/negative diagnosis  |
| Arnold            | Andreas     | Dr. med.    | UniversitätsSpital Basel und Universitätsklinikum Freiburg i.Br., CH/DE  | Akute Ausschläge im Kindesalter  |
| Bauer             | Johann      | Prof.       | Universitätsklinik für Dermatologie, Salzburg, AT                        | Hailey-Hailey and Darier: von der Papel zum Molekül  |
| Becker            | Jürgen      | Prof.       | Dermatologische Universitätsklinikum Graz, AT                            | Differential diagnosis of lymphoproliferative disorders  |
| Beltraminelli     | Helmut      | Prof.       | Universitätsklinik für Dermatologie, Inselspital Bern, CH                | Kommunikation in der Dermatopathologie – "atypische" Begriffe und Juristische Aspekte  |
| Bickers           | David       | Prof.       | Department of Dermatology, Columbia University Medical Center, USA       | Gorlin-Goltz Syndrome: what have we learnt?  |
| Bircher           | Andreas     | Prof.       | Chefarzt Allergologie, Universitätsspital Basel, CH                      | Old drugs - new allergies? Update metamizol, tolperin and PPI  |
| Boltshäuser       | Eugen       | Prof.       | Neuropädiatrie, Universitäts-Kinderspital Zürich, CH                     | Neurofibromatosis type 1: a neurologist's perspective  |
| Braun-Falco       | Markus      | Prof.       | LMU Klinikum der Universität München, München                            | Gastvortrag: Ein Herz – Zwei Seelen  |
| Bruckner-Tuderman | Leena       | Prof.       | Universitäts-Hautklinik Freiburg, DE                                     | Spektrum der hereditären blasenbildenden Hauterkrankungen  |
| Böni              | Thomas      | Dr. med.    | Universitätsklinik Balgrist Zürich, CH                                   | Technische Orthopädie: Umlasten und Entlasten  |
| Calza             | Anne-Marie  | Dr. med.    | Skinpuls Dermatology Center Genf, CH                                     | Hämangiom, Storchenbiss und Feuermal: Was tun?   |
| Christen          | Stephanie   | Dr. med.    | Dermatologie CHUV Lausanne, CH   | Weisse Flecken   |
| Distler           | Oliver      | PD Dr. med. | Rheumaklinik UniversitätsSpital Zürich, CH                               | Molecular-targeted therapies in systemic sclerosis   |
| Erming            | Rüdiger     | Dr. med.    | Klinik für Dermatologie und Venerologie der Universität Marburg, DE      | Autoimmunbullöse Dermatosen  |
| Freigang          | Stefan      | Dr.         | Molecular Biomedicine, Institute of Intergrative Biology, ETH Zurich, CH | Fatty acid amids hydrolase – a rheostat of NKT cell activation   |
| Gillet            | Michel      | Prof.       | Service de Dermatologie, CHUV, Lausanne                                  | Therapiealgorithmen bei der Psoriasis  |
| Groettrup         | Marcus      | Prof.       | Division of Immunology, University of Constance, DE                      | The immunoproteasome - an emerging drug target for the treatment of autoimmune diseases  |
| Häfner            | Hans-Martin | PD Dr. med. | Universitäts-Hautklinik Tübingen, DE                                     | Was ist ein High-Risk SCC? Vorschläge für eine verbesserte Klassifizierung   |
| Happle            | Rolf        | Prof.       | Universitäts-Hautklinik Freiburg, DE                                     | Principles of cutaneous mosaicism  |
| Häusermann        | Peter       | Dr.         | Abt für Biomedizin, Universitätsspital Basel, CH                         | Klinisch-pathologische Korrelation bei melanocytären Proliferationen/Klinisch-pathologische Korrelation bei entzündlichen Hauterkrankungen |
| Heger             | Peter       | Prof.       | Dermatologie, KKH Wilhelmstift Hamburg, DE                               | Non-melanocytic nevi/Dermatologische Notfälle im Kindesalter   |
| Hohl              | Daniel      | Prof.       | Klinikdirektion Dermatologie CHUV Lausanne, CH                           | Was gibt es Neues aus der Pädiatrischen Dermatologie? / Genetische palmoplantare Hautprobleme/Ichthyosen                                   |
| Homann            | Dirk        | Prof.       | University of Colorado, Denver, USA                                      | How aging can improve protective T cell memory   |
| Hunger            | Robert      | Prof.       | Dermatologische Klinik, Inselspital Bern, CH                             | Quiz-Fälle   |
| Huynh             | Hoa Thanh   | Dr.         | Privatpraxis Zürich, CH  | Evidence for treatment of skin disorders with TCM  |
| Hölzle            | Erhard      | Prof.       | Klinik für Dermatologie und Allergologie am Klinikum Oldenburg, DE       | Photodermatosen: Diagnostik, Therapie und meine Geheimtipps  |

|                |          |             |  |  |
|----------------|----------|-------------|--|--|
| Itin           | Peter    | Prof.       | Klinikdirektor Dermatologie, Universitätsspital Basel, CH  | Rosazea / POD – Multimodale Therapie? / Hereditäre Hauterkrankungen, die der Praktiker kennen muss / Palmoplantare Dermatosen – klinische Bilder |
| Izakovic       | Jan      | Dr.         | Dermatologische Praxis Basel, CH   | Haar- und Nagelerkrankungen bei Kindern: Prägnantes & Verkanntes   |
| Kadin          | Marshall | Dr.         | Beth Israel Deaconess Medical Center Boston, MA, USA   | Further studies on the pathobiology of CD30+ cutaneous T-cell lymphomas  |
| Kerl           | Helmut   | Prof.       | Privatpraxis Graz, AT  | A reflection on cutaneous lymphomas after a life-time in dermatology / Eine Reise in das Herz der Dermatologie                                   |
| Kernland       | Kristin  | Dr.         | Dermatologie, Universitätsspital Basel, CH   | Urtikaria und Urtikaria-Imitatoren   |
| Kinsler        | Veronica | Dr.         | Dermatology GOSH NHS Trust London, UK  | Congenital melanocytic nevi: clinical patterns, genetic background and management strategies   |
| Krek           | Wilhelm  | Prof.       | Institute of Cell Biology ETH Zurich, CH   | Laboratory of cell signalling and disease biology  |
| Krengel        | Sven     | PD Dr. med. | Dermatologische Praxis Lübeck, DE  | Congenital melanocytic nevi – are they melanoma precursor lesions?   |
| Kuhn           | Annegret | Prof.       | Klinik und Poliklinik für Hautkrankheiten, Universitätsklinikum Münster, DE  | Lupus & Dermatomyositis  |
| Laffitte       | Emmanuel | PD Dr. med. | Dermatologie HUG Genf, CH  | Blasen und Bläschen im Kindesalter   |
| Lautenschlager | Stephan  | Prof.       | Dermatologisches Ambulatorium des Stadtsitals Triemli Zürich, CH   | Hautinfektion durch andere Mykobakterien   |
| Levesque       | Mitch    | Postdoc     | Max Planck Institute for Developmental Biology Tübingen, DE  | Tissue specific transcriptomes and extracellular prtein interactions identify novel mechanisms of neural crest development                       |
| Lips           | Ulrich   | Dr.         | Klinikdirektor Medizinische Klinik, Universitäts-Kinderspital Zürich, CH   | Kindsmisshandlung - oder doch nicht?   |
| Marghoob       | Ashfaq   | Prof.       | Dermatology Service, Memorial Sloan Kettering Cancer Center NY, USA  | Benign melanocytic lesions / Melanoma / Congenital nevi  |
| Ott            | Hagen    | PD Dr. med. | Dermatologie, KKH Wilhelmstift Hamburg, DE   | Atopisches Ekzem im Säuglings- und Kleinkindesalter: Praktisches Vorgehen  |
| Reichenbach    | Jeannine | Dr.         | Kinderspital Zürich  | Development of curative treatments for chronic granulomatous disease (CGD)   |
| Roecken        | Martin   | Prof.       | Universitäts-Hautklinik Eberhard-Karls-Universität Tübingen, DE  | Dermatologische Forschung  |
| Schaller       | Martin   | Prof.       | Universitäts-Hautklinik Tübingen, DE   | Rosazea: Update Pathogenese, Klinik und Therapie   |
| Schiest        | Clemens  | Dr.         | Leiter Zentrum für brandverletzte Kinder, Plastische- und Rekonstruktive Chirurgie, Universitäts-Kinderspital Zürich, CH | Surgical treatment of congenital nevi  |
| Spritz         | Richard  | Prof.       | University of Colorado School of Medicine, Colorado, USA   | What's new in vitiligo: from pathogenesis to treatment   |
| Thomas         | Luc      | Prof.       | Département de Dermatologie, Hôtel Dieu, Lyon, FR  | Lesions of the face / Dermoscopy of nail pigemtations / Digital dermoscopy follow-up   |
| Van den Broek  | Maries   | PD Dr. med. | Innere Medizin, Onkologie, Universitätsspital Zürich, CH   | Radiotherapy promotes tumor-specific effector CD8+ T cells through DC maturation   |
| Vermeer        | Maarten  | Prof.       | Department of Dermatology, Leiden University Med Center Leiden, DE   | Molecular Biology of Sézary Syndrome   |
| Zalaudek       | Iris     | PD Dr. med. | Department of Dermatology, University Hospital Graz, AT  | Non-melanocytic lesions / Acral lesions, scalp and mucosa  |
| Zinkernagel    | Annelies | PD Dr. med. | Klinik für Infektionskrankheiten und Spitalhygiene, Universitätsspital Zürich, CH  | Group A streptococcal virulence factors  |

# 11. Partners / Sponsors / Collaborations with Industry and Fund Raising (private industry)

Our continuous efforts in medical education, public relations, marketing, and networking with private practitioners is only possible thanks to external funding. We collaborate with industry for our postgraduate education, giving private practitioners and industry a platform for communication and exchange. Furthermore possibilities are provided by our charitable foundations the Bruno Bloch Stiftung and the Verein für Hautkrebsforschung. We would here like to acknowledge with great respect the support of our industrial partners. Their collaboration supports the quality and nature of our postgraduate teaching offer. The Department of Dermatology USZ is grateful to the following sponsors and donors for their constant precious and generous support.

## **With special acknowledgement to our partners of “Schwerpunkt Hautkrebs”**

Avène / Pierre Fabre  
Cosmétique Active, Schweiz AG  
(LaRoche-Posay, Laboratoires Vichy)  
Galderma SA  
Roche Pharma (Schweiz) AG

## **Further Corporate Supporters**

Abbvie AG  
Actelion (Schweiz) AG  
ALK Abello  
Allergomed AG  
Allmiral AG  
Astellas Pharma AG  
AstraZeneca AG  
Bauerfeind AG  
Bayer (Schweiz) AG  
Biotest AG  
Bristol-Myers Squibb AG  
Coloplast AG  
CSL Behring (Schweiz) AG  
Dermapharm AG  
Drossa Pharm AG  
Ganzoni & Cie AG  
Gebro Pharma AG  
Geistlich Pharma AG  
Glaxo Smith Kline AG  
J-P, F & E Hottinger & Co, Effektenhändler  
IBSA Institut Biochimique SA  
Janssen-Cilag AG  
Johnson & Johnson Medical  
Meda Pharma Pharma GmbH  
Merck Sharp & Dome AG  
Mundipharma Pharmaceutical Company SA  
Novartis (Schweiz) AG  
Permamed AG  
Pfizer AG  
Qualicare AG  
Roche Pharma (Schweiz) AG  
Servier (Suisse) SA  
Smith & Nephew AG  
Trimedal AG  
Waldmann Lichttechnik GmbH  
Valucept

## Charitable foundations closely associated with the Department of Dermatology USZ

### **Bruno Bloch Stiftung**

Secretariat:  
Dermatologische Klinik, Direktion  
UniversitätsSpital Zurich  
Gloriastrasse 31  
8091 Zurich  
brunoblochstiftung@usz.ch

Bank details:  
UBS AG  
8091 Zurich  
Bank account No. 206-P0238697.0  
Keyword "BrunoBlochStiftung"  
IBAN: CH 59 0020 6206 P023 8697 0  
SWIFT: UBSWCHZH80A  
Clearing-No.: 298

### **Verein für Hautkrebsforschung**

Secretariat:  
Dermatologische Klinik  
UniversitätsSpital Zurich  
Gloriastrasse 31  
8091 Zurich  
info@skincancer.ch, www.skincancer.ch

Bank details:  
Jean-Philippe, François & Emmanuel Hottinger & Co.,  
Effektenhändler, Zurich

Bank: Credit Suisse Zurich  
Swift: CRESCHZZ80A  
Clearing-No.: 4835  
Beneficiary: Verein für Hautkrebsforschung  
Account CHF: IBAN: CH80 0483 5076 6289 5100 0  
Reference: ALO 426



# 12. Honors and Prizes

## Special Honors

### ■ Leo von Zumbusch Gedächtnisvorlesung – Prof. Lars French 2011

Since 1951, the annual Leo von Zumbusch Memorial Lecture launched by Professor Alfred Marchionini recognizes leading national and international scientists in the field of dermatology. In July 2011 Prof. French was invited by Prof. Thomas Ruzicka current Chairman of the Department of Dermatology at the Ludwig-Maximilians-University in Munich to give the 61<sup>st</sup> Leo von Zumbusch Memorial Lecture with the title of “Skin and Autoinflammatory Diseases”.

### ■ Kung Sun Oh Memorial Lecture – Prof. Lars French 2012

On the 8th of September 2012 Prof. French was invited to give the prestigious 35th Kung Sun Oh Memorial Lecture at Yonsei University in Seoul, as the second Swiss individual in the history of Swiss Dermatology after Prof. Dr. Urs Schnyder in 1978. The Kung Sun Oh Memorial Lecture honors the achievements of Prof. Kung Sun Oh, the first professor of dermatology in Korea, former distinguished chairman of the Department of Dermatology and Dean of the Yonsei University Medical Center.

### ■ Samitz Lectureship in Cutaneous Medicine – Prof. Lars French 2011

The 36th annual Samitz Lectureship in Cutaneous Medicine at the University of Pennsylvania was given on November 10th 2011 by Prof. French. Invited by Prof. George Cotsarelis, current Chairman of the Department of Dermatology of the University of Pennsylvania, Prof. French gave a lecture in honor of Morris Samitz – distinguished clinician and longtime Professor at Penn – on “The Inflammasome, autoinflammation and the skin”.

### ■ Otto Nägeli Prize – Prof. Lars French 2012

The «Otto Naegeli Prize for Medical Research» is one of the most highly esteemed biomedical awards given in Switzerland. It enjoys significant international attention. The «Otto Naegeli Prize» aims to stimulate and recognize outstanding medical and biomedical research, and is awarded every other year to researchers in Switzerland.

On the 24th of April 2012 Prof. French was awarded the distinguished Otto-Nägeli Prize as one of the rare clinician-scientists to receive this award since its creation in 1960. The 2012 Otto-Nägeli Prize of 200,000.– Swiss Francs was shared with Prof. Markus Heim from the University of Basel. The scientific advisory committee selected Prof. French for the 2012 Otto-Nägeli Prize in consideration of his outstanding contributions to the understanding of the molecular mechanisms of skin diseases resulting from defective regulation of inflammation and cell death. Additional information is available at: [www.otto-naegeli-preis.ch](http://www.otto-naegeli-preis.ch)



### ■ Georg Friedrich Götz Preis, 2011

Prof. Dr. Onur Boyman received the Georg Friedrich Götz Prize in 2011 for his contributions to immunology, in particular for his research on modulation of immune responses using cytokine-antibody complexes and the pathogenesis of psoriasis. The Georg Friedrich Götz Prize has been awarded by the University of Zurich since 1969.

### ■ SNF Ambizione Career Development Award granted to Dr. Beda Mühleisen

In January 2013 Dr. med. Beda Mühleisen returned to our department with an Ambizione Career Development Grant from the Swiss National Science Foundation. After receiving his Swiss Dermatology board certification in Zurich in 2009, Dr. Mühleisen spent 3.5 years as a postdoctoral research fellow in Prof. Richard Gallo's lab at the University of California in San Diego to study the regulation and role of the antimicrobial peptide cathelicidin in skin innate immune defence (supported by a Fellowship for Advanced Researchers by the Swiss National Science Foundation). Amongst these findings was the discovery that parathyroid hormone-related peptide (PTHrP) enhances cathelicidin expression in the skin and compensates for low vitamin D in immune function. Functional relevance in vivo was shown in a newly established mouse model of vitamin D deficiency, in which PTHrP-induced cathelicidin expression protected against bacterial skin infection. In his current research project at our department, Dr. Mühleisen's group aims at defining the exact mechanisms, how PTHrP is regulated in the skin and its potential role in human cutaneous wound healing. Findings from this project might allow to develop novel therapies for chronic non-healing wounds and for cathelicidin-related diseases such as rosacea, psoriasis and atopic dermatitis.

### Selected references

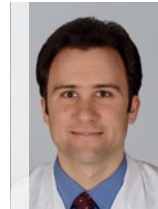
Muehleisen B, Bikle DD, Aguilera C, Burton DW, Sen GL, Deftos LJ, Gallo RL. PTH/PTHrP and vitamin D control antimicrobial peptide expression and susceptibility to bacterial infection. *Sci Transl Med.* 2012 May 23;4(135):135ra66

Muehleisen B, Gallo RL. Vitamin D in allergic disease: shedding light on a complex problem. *J Allergy Clin Immunol.* 2013 Feb;131(2):324-9.

Lai Y, Li D, Li C, Muehleisen B, Radek KA, Park HJ, Jiang Z, Li Z, Lei H, Quan Y, Zhang T, Wu Y, Kotol P, Morizane S, Hata TR, Iwatsuki K, Tang C, Gallo RL. The antimicrobial protein REG3A regulates keratinocyte proliferation

and differentiation after skin injury. *Immunity.* 2012 Jul 27;37(1):74-84.

Muehleisen B, Jiang SB, Gladsjo JA, Gerber M, Hata T, Gallo RL. Distinct innate immune gene expression profiles in non-melanoma skin cancer of immunocompetent and immunosuppressed patients. *PLoS One.* 2012;7(7):40754.



**FN-SNF**  
SCHWEIZERISCHER NATIONALFONDS  
ZUR FÖRDERUNG DER WISSENSCHAFTLICHEN FORSCHUNG

## Promotions

The following persons were promoted in the period of 2011 / 2012, and we extend our congratulations to them

### ■ Professorship (Titularprofessur)

Prof. Dr. med. Günther Hofbauer (mainly "Wochen/Tagesklinik" & UV-therapies)  
Prof. Dr. med. Mirjana Maiwald (-Uroseciv) (mainly "Wochen/Tagesklinik")

### ■ Venia Legendi (Privat-Dozent)

PD Dr. med. Jivko Kamarachev (mainly Dermatopathology)  
PD Dr. med. Alexander Navarini (mainly Research)

### ■ Oberärzte

Dr. med. Sabine Bruckert (mainly Dermatotomy & Allergology)  
Dr. med. Laurence Imhof

### ■ Oberärzte i.V.

Dr. med. Christian Bull (mainly Dermatopathology)  
Dr. med. Simone Goldinger (mainly Dermatooncology)

Residents having achieved Swiss Board-Certification in Dermatology:

### ■ in 2011:

Dr. med. Sabine Bruckert, Dr. med. Christian Bull, Dr. med. Martin Glatz, Dr. med. Martin Keller, Dr. med. Eva Sailer, Dr. med. Bettina Töndury and Dr. med. Sandra Tresch

### ■ in 2012:

Dr. med. Joseph Aschwanden and Dr. med. Peter Bures, Dr. med. Isabel Kolm, Dr. med. Simone Goldinger

# 13. Publications

## Publications 2011

### Original papers (peer-reviewed)

Antsiferova, M; Huber, M; Meyer, M; Piwko-Czuchra, A; Ramadan, T; MacLeod, A S; Havran, W L; Dummer, R; Hohl, D; Werner, S. Activin enhances skin tumourigenesis and malignant progression by inducing a pro-tumourigenic immune cell response. *Nature Communications* 2011;2:576

Arozarena, I; Bischof, H; Gilby, D; Belloni, B; Dummer, R; Wellbrock, C. In melanoma, beta-catenin is a suppressor of invasion. *Oncogene* 2011;30:4531-4543

Badertscher, N; Rosemann, T; Tandjung, R; Braun, R P. minSKIN does a multifaceted intervention improve the competence in the diagnosis of skin cancer by general practitioners? Study protocol for a randomised controlled trial. *Trials* 2011;12:165

Ballmer-Weber, B K; Hoffmann-Sommergruber, K. Molecular diagnosis of fruit and vegetable allergy. *Current Opinion in Allergy and Clinical Immunology* 2011;11:229-235

Bauermeister, K; Wangorsch, A; Garoffo, L P; Reuter, A; Conti, A; Taylor, S L; Lidholm, J; Dewitt, A M; Enrique, E; Vieths, S; Holzhauser, T; Ballmer-Weber, B; Reese, G. Generation of a comprehensive panel of crustacean allergens from the North Sea Shrimp Crangon crangon. *Molecular Immunology* 2011;48:1983-1992

Blanc, F; Vissers, Y M; Adel-Patient, K; Rigby, N M; Mackie, A R; Gunning, A P; Wellner, N K; Skov, P S; Przybylski-Nicaise, L; Ballmer-Weber, B; Zuidmeer-Jongejan, L; Szépfalusi, Z; Ruinemans-Koerts, J; Jansen, A P H; Bernard, H; Wal, J M; Savelkoul, H F J; Wichers, H J; Mills, E N C. Boiling peanut Ara h 1 results in the formation of aggregates with reduced allergenicity. *Molecular Nutrition & Food Research* 2011;55:1887-1894

Blum, A; Simionescu, O; Argenziano, G; Braun, R; Cabo, H; Eichhorn, A; Kirchesch, H; Malvey, J; Marghoob, A A; Puig, S; Ozdemir, F; Stolz, W; Tromme, I; Weigert, U; Wolf, I H; Zalaudek, I; Kittler, H. Dermoscopy of pigmented lesions of the mucosa and the mucocutaneous junction: results of a multicenter study by the International Dermoscopy Society (IDS). *Archives of Dermatology* 2011;147:1181-1187

Bosshard, P P. Incubation of fungal cultures: how long is long enough? *Mycose* 2011;54:539-545

Bousquet, J; Schünemann, H J; Bousquet, P J; Bachert, C; Canonica, G W; Casale, T B; Demoly, P; Durham, S; Carlsen, K H; Malling, H J; Passalacqua, G; Simons, F E R; Anto, J; Baena-Cagnani, C E; Bergmann, K C; Bieber, T; Briggs, A H; Brozek, J; Calderon, M A; Dahl, R; Devilier, P; Gerth van Wijk, R; Howarth, P; Larenas, D; Papadopoulos, N G; Schmid-Grendelmeier, P; Zuberbier, T. How to design and evaluate randomized controlled trials in immunotherapy for allergic rhinitis: an ARIA-GA(2) LEN statement. *Allergy* 2011;66:765-774

Braun, R P; Scope, A; Marghoob, A A. The "blink sign" in dermoscopy. *Archives of Dermatology* 2011;147:520

Bublin, M; Ballmer-Weber, B K. The performance of a component-based allergen microarray for the diagnosis of kiwifruit allergy. *Clinical and Experimental Allergy* 2011;41:129-136

Burg, G; Kempf, W; Dummer, R; Urosevic-Maiwald M. Cutaneous lymphoma, leukemia and related disorders 2011. Hrsg: Dummer, R; Pittelkow, M R; Iwatsuki, K; Green, A; Elwan, N M. In *Skin cancer – a world-wide perspective* 2011:197-231

Chapman, P B; Hauschild, A; Robert, C; Haanen, J B; Ascierto, P; Larkin, J; Dummer, R; Garbe, C; Testori, A; Maio, M; Hogg, D; Lorigan, P; Lebbe, C; Jouary, T; Schadendorf, D; Ribas, A; O'Day, S J; Sosman, J A; Kirkwood, J M; Eggermont, A M M; Dreno, B; Nolop, K; Li, J; Nelson, B; Hou, J; Lee, R J; Flaherty, K T; McArthur, A G. Improved survival with vemurafenib in melanoma with BRAF V600E mutation. *New England Journal of Medicine* 2011;364:2507-2516

Civenni, G; Walter, A; Kobert, N; Mihic-Probst, D; Zipser, M; Belloni, B; Seifert, B; Moch, H; Dummer, R; van den Broek, M; Sommer, L. Human CD271-positive melanoma stem cells associated with metastasis establish tumor heterogeneity and long-term growth. *Cancer Research* 2011;71:3098-3109

Curioni-Fontecedro, A; Nuber, N; Mihic-Probst, D; Seifert, B; Soldini, D; Dummer, R; Knuth, A; van den Broek, M; Moch, H. Expression of MAGE-C1/CT7 and MAGE-C2/CT10 predicts lymph node metastasis in melanoma patients. *PLoS ONE* 2011;6: e21418

- Donghi, D; Hauser, V; Bosshard, P P. *Microsporum audouinii* tinea capitis in a Swiss school: assessment and management of patients and asymptomatic carriers. *Medical Mycology* 2011;49:324-328
- Dummer, R; Guggenheim, M; Arnold, A W; Braun, R; von Moos, R. Updated Swiss guidelines for the treatment and follow-up of cutaneous melanoma. *Swiss Medical Weekly* 2011;141: w13320
- Dummer, R; Kawai, K; Zipser, M C. Cutaneous lymphoma. Hrsg: Dummer, R; Pittelkow, M; Iwatsuki, K; Green A; Elwan, N M. In *Skin cancer – a world-wide perspective* 2011: 343-354
- Eichhoff, O M; Weeraratna, A; Zipser, M C; Denat, L; Widmer, D S; Xu, M; Kriegl, L; Kirchner, T; Larue, L; Dummer, R; Hoek, K S. Differential LEF1 and TCF4 expression is involved in melanoma cell phenotype switching. *Pigment Cell & Melanoma Research* 2011;24:631-642
- Feldmeyer, L; Kerdel, F A; French, L E. Use of intravenous immunoglobulin in toxic epidermal necrolysis. *Archives of Dermatology* 2011;147:1440-1441
- Feldmeyer, L; Kerl, K; Kamarashev, J; de Viragh, P; French, L E. Treatment of vulvar Paget disease with topical imiquimod: a case report and review of the literature. *Journal of Dermatological Case Reports* 2011;5:42-46
- Feldmeyer, L; Krausz-Enderlin, V; Töndury, B; Hafner, J; French, L E; Hofbauer, G F L. Methylaminolaevulinic acid photodynamic therapy in the treatment of erythroplasia of Queyrat. *Dermatology* 2011;223:52-56
- Fettelschoss, A; Kistowska, M; LeibundGut-Landmann, S; Beer, H D; Johansen, P; Senti, G; Contassot, E; Bachmann, M F; French, L E; Oxenius, A; Kündig, T M. Inflammasome activation and IL-1beta target IL-1alpha for secretion as opposed to surface expression. *Proceedings of the National Academy of Sciences of the United States of America* 2011;108: 18055-18060.
- Frey, K; Fiechter, M; Schwager, K; Belloni, B; Barysch, M J; Neri, D; Dummer, R. Different patterns of fibronectin and tenascin-C splice variants expression in primary and metastatic melanoma lesions. *Experimental Dermatology* 2011;20:685-688
- Geiges, M L. History of lasers in dermatology. *Current Problems in Dermatology* 2011;42:1-6
- Gerbase, M W; Keidel, D; Imboden, M; Gemperli, A; Bircher, A; Schmid-Grendelmeier, P; Bridevaux, P-O; Berger, W; Schindler, C; Rochat, T; Probst-Hensch, N. Effect modification of immunoglobulin E-mediated atopy and rhinitis by glutathione S-transferase genotypes in passive smokers. *Clinical and Experimental Allergy* 2011;41:1579-1586
- Geroldinger-Simic, M; Zelniker, T; Aberer, W; Ebner, C H; Eggers, C; Greiderer, A; Prem, N; Lidholm, J; Ballmer-Weber, B K; Vieths, S; Bohle, B. Birch pollen-related food allergy: Clinical aspects and the role of allergen-specific IgE and IgG4 antibodies. *Journal of Allergy and Clinical Immunology* 2011;127:616-622.e1
- Gilomen, S; Ruef, C; Held, L; Cathomas, A; French, L E; Hafner, J. Successful control of methicillin-resistant *Staphylococcus aureus* outbreak at a university department of dermatology. *Journal of the European Academy of Dermatology and Venereology* 2011;25:441-446
- Guggenheim, M; Giovanoli, P; Baumert, B G; Eigentler, T K; Garbe, C; Mangana, J; Dummer, R. Melanoma. Hrsg: Dummer, R; Pittelkow, M; Iwatsuki, K; Green, A; Elwan, N M. In *Skin cancer - a world-wide perspective* 2011:307-341
- Guler, R; Parihar, S P; Spohn, G; Johansen, P; Brombacher, F; Bachmann, M F. Blocking IL-1alpha but not IL-1beta increases susceptibility to chronic *Mycobacterium tuberculosis* infection in mice. *Vaccine* 2011;29:1339-1346
- Hatta, N; Elwan, N M; Weibel, L; Requena, L; Donghi, D; Hafner, J; Bode-Lesniewska, B; Asagoe, K. Mastocytosis, vascular, muscular and fibrohistiocytic tumors. Hrsg: Dummer, R; Pittelkow, M; Iwatsuki, K; Green, A; Elwan, N M. In *Skin cancer – a world-wide perspective* 2011:241-277
- Hofbauer, G F L; Attard, N R; Harwood, C A; McGregor, J M; Dziunycz, P; Iotzova-Weiss, G; Straub, G; Meyer, R; Kamenisch, Y; Berneburg, M; French, L E; Wüthrich, R P; Karran, P; Serra, A L. Reversal of UVA Skin Photosensitivity and DNA Damage in Kidney Transplant Recipients by Replacing Azathioprine. *American Journal of Transplantation* 2011;12:218-225
- Imhof, L; Goldinger, S M; Baumann, K; Schad, K; French, L E; Röthlisberger, P; Dummer, R. The antibacterial substance, taurolidine in the second / third-line treatment of very advanced stage IV melanoma including brain metastases: results of a phase 2, open-label study. *Melanoma Research* 2011;21:80-83

- Jenni, D; Karpova, M B; Seifert, B; Golling, P; Cozzio, A; Kempf, W; French, L E; Dummer, R. Primary cutaneous lymphoma: Two-decade comparison in a population of 263 cases from a Swiss tertiary referral centre. *British Journal of Dermatology* 2011;164:1071-1077
- Johansen, P; Fettelschoss, A; Amstutz, B; Selchow, P; Waeckerle-Men, Y; Keller, P; Deretic, V; Held, L; Kündig, T M; Böttger, E C; Sander, P. Relief from zmp1-mediated arrest of phagosome maturation is associated with facilitated presentation and enhanced immunogenicity of mycobacterial antigens. *Clinical and Vaccine Immunology: CVI* 2011;18:907-913
- Johansen, P; Weiss, A; Bünter, A; Waeckerle-Men, Y; Fettelschoss, A; Odermatt, B; Kündig, T M. Clemastine causes immune suppression through inhibition of extracellular signal-regulated kinase-dependent proinflammatory cytokines. *Journal of Allergy and Clinical Immunology* 2011;128:1286-1294
- Kaiser, C A; Cozzio, A; Hofbauer, G F L; Kamarashev, J; French, L E; Navarini, A A. Disfiguring annular sarcoidosis improved by adalimumab. *Case Reports in Dermatology* 2011;3:103-106
- Kamarashev, J A; Kaddu, S. Non-melanoma skin cancer: Appendageal tumours. Hrsg: Dummer, R; Pittelkow, M R; Iwatsuki, K; Green, A; Elwan, N M. In *Skin cancer – a world-wide perspective* 2011:121-167
- Kamarashev, J A; Schärer, L; Zipser, M C; Lockwood, L L; Dummer, R; Kregel, S. Melanocytic tumors. Hrsg: Dummer, R; Pittelkow, M; Iwatsuki, K; Green, A; Elwan, N M. In *Skin cancer – a world-wide perspective* 2011:169-196
- Karpova, M B; Barysch, M J; Zipser, M C; Schönewolf, N; French, L E; Dummer, R. Changing pathology with changing drugs: skin cancer. *Pathobiology* 2011;78:61-75
- Karpova, M B; Fujii, K; Jenni, D; Dummer, R; Urosevic-Maiwald, M. Evaluation of lymphangiogenic markers in Sézary syndrome. *Leukemia and Lymphoma* 2011;52:491-501
- Kempf, W; Pfaltz, K; Vermeer, M H; Cozzio, A; Ortiz-Romero, P L; Bagot, M; Olsen, E; Kim, Y H; Dummer, R; Pimpinelli, N; Whittaker, S; Hodak, E; Cerroni, L; Berti, E; Horwitz, S; Prince, H M; Guitart, J; Estrach, T; Sanches, J A; Duvic, M; Ranki, A; Dreno, B; Ostheeren-Michaelis, S; Knobler, R; Wood, G; Willemze, R. EORTC, ISCL, and USCLC consensus recommendations for the treatment of primary cutaneous CD30-positive lymphoproliferative disorders: lymphomatoid papulosis and primary cutaneous anaplastic large-cell lymphoma. *Blood* 2011;118:218-225
- Kiessling, M K; Oberholzer, P A; Mondal, C; Karpova, M B; Zipser, M C; Lin, W M; Girardi, M; MacConaill, L E; Kehoe, S M; Hatton, C; French, L E; Garraway, L A; Polier, G; Süß, D; Klemke, C D; Krammer, P H; Gülow, K; Dummer, R. High-throughput mutation profiling of CTCL samples reveals KRAS and NRAS mutations sensitizing tumors toward inhibition of the RAS/RAF/MEK signaling cascade. *Blood* 2011;117:2433-2440
- Kolm, I; Dummer, R; Braun, R P. Dermoscopy. Hrsg: Dummer, R; Pittelkow, M; Iwatsuki, K; Green, A; Elwan, N M. *Skin cancer – a world-wide perspective* 2011:373-378
- Kolm, I; Kamarashev, J; Kerl, K; Mainetti, C; Giovanoli, P; French, L E; Braun, R P. Diagnostic pitfall: pigmented lesion of the nipple-correlation between dermoscopy, reflectance confocal microscopy and histopathology. *Dermatology* 2011;1-4
- Kündig, T M. Immunotherapy concepts under investigation. *Allergy* 2011;66:60-62
- Kündig, T M; Johansen, P; Senti, G. Intralymphatic vaccination. Hrsg: Rappuoli, R; Bagnoli, F. In *Vaccine design: innovative approaches and novel strategies* 2011:211-224
- Le Buanec, H; Gougeon, M L; Mathian, A; Lebon, P; Dupont, J M; Peltre, G; Hemon, P; Schmid, M; Bizzini, B; Kündig, T; Burny, A; Bensussan, A; Amoura, Z; Gallo, R C; Zagury, D. IFN-alpha and CD46 stimulation are associated with active lupus and skew natural T regulatory cell differentiation to type 1 regulatory T (Tr1) cells. *Proceedings of the National Academy of Sciences of the United States of America* 2011;108:18995-19000
- Liebman, T N; Scope, A; Rabinovitz, H; Braun, R P; Marghoob, A A. Rosettes may be observed in a range of conditions. *Archives of Dermatology* 2011;147:1468
- Läuchli, S. Acne Vulgaris. Hrsg: Allemann, B; Goldberg, D J. In *Basics in Dermatological Laser Applications* 2011:140-146
- Läuchli, S; Hafner, J; Hofbauer, G F L; Cozzio, A; Urosevic-Maiwald, M. Non-melanoma skin cancer. Hrsg: Dummer, R; Pittelkow, M; Iwatsuki, K; Green, A; Elwan, N M. In *Skin cancer – a world-wide perspective* 2011:289-305

- Mohanani, D; Gander, B; Kündig, T M; Johansen, P. Encapsulation of antigen in poly(d,l-lactide-co-glycolide) microspheres protects from harmful effects of gamma-irradiation as assessed in mice. *European Journal of Pharmaceutics and Biopharmaceutics* 2011;80:274-281
- Navarini, A A; Bauer, J; Barysch, M J; Kempf, W; Mihic-Probst, D; Kerl, K; Kamarashev, J; Giovanoli, P; Kolios, A G A; Bergstraesser, E; Dummer, R. Spitzoid melanoma and micrometastases in two lymph node regions: a critical situation. *European Journal of Dermatology* 2011;21:229-233
- Navarini, A A; Feldmeyer, L; Töndury, B; Fritsche, P; Kamarashev, J; French, L E; Braun, R P. The yellow clod sign. *Archives of Dermatology* 2011;147:1350
- Navarini, A A; French, L E; Hofbauer, G F L. Interrupting IL-6-receptor signaling improves atopic dermatitis but associates with bacterial superinfection. *Journal of Allergy and Clinical Immunology* 2011;128:1128-1130
- Navarini, A A; Muster, M A; Kolios, A G A; Fritsche, P; Glatz, M; French, L E; Trüeb, R M. Weight-based adaptation of TNF-antagonist induction versus maintenance dose. *Case Reports in Dermatology* 2011;3:124-9
- Nobbe, S; Weber, R; Kamarashev, J; Trüeb, R M; Weibel, L. Neonatal Lupus. *Journal of Pediatrics* 2011;158:341-341.1
- Olsen, E A; Whittaker, S J; Kim, Y H; Duvic, M; Prince, H M; Lessin, S R; Wood, G S; Willemze, R; Demierre, M F; Pimpinelli, N; Bernengo, M G; Ortiz-Romero, P L; Bagot, M; Estrach, T; Guitart, J; Knobler, R; Sanches, J A; Iwatsuki, K; Sugaya, M; Dummer, R; Pittelkow, M; Hoppe, R; Parker, S; Geskin, L; Pinter-Brown, L; Girardi, M; Burg, G; Ranki, A; Vermeer, M H; Horwitz, S; Heald, P; Rosen, S; Cerroni, L; Dreno, B; Vonderheid, E C. Clinical end points and response criteria in mycosis fungoides and sezary syndrome: a consensus statement of the international society for cutaneous lymphomas, the United States cutaneous lymphoma consortium, and the cutaneous lymphoma task force of the European organisation for research and treatment of cancer. *Journal of Clinical Oncology* 2011;29:2598-2607
- Palumbo, A; Hauler, F; Dziunycz, P; Schwager, K; Soltermann, A; Pretto, F; Alonso, C; Hofbauer, G F; Boyle, R W; Neri, D. A chemically modified antibody mediates complete eradication of tumours by selective disruption of tumour blood vessels. *British Journal of Cancer* 2011;104:1106-1115
- Patel, P M; Suci, S; Mortier, L; Kruit, W H; Robert, C; Schadendorf, D; Trefzer, U; Punt, C J A; Dummer, R; Davidson, N; Becker, J; Conry, R; Thompson, J A; Hwu, W J; Engelen, K; Agarwala, S S; Keilholz, U; Eggermont, A M M; Spatz, A. Extended schedule, escalated dose temozolomide versus dacarbazine in stage IV melanoma: Final results of a randomised phase III study (EORTC 18032). *European Journal of Cancer* 2011;47:1476-1483
- Restivo, G; Nguyen, B C; Dziunycz, P; Ristorcelli, E; Ryan, R J H; Özuysal, Ö Y; Di Piazza, M; Radtke, F; Dixon, M J; Hofbauer, G F L; Lefort, K; Dotto, G P. IRF6 is a mediator of Notch pro-differentiation and tumour suppressive function in keratinocytes. *The EMBO Journal* 2011;30:4571-4585
- Sailer, E; Kamarachev, J; Boehler, A; Speich, R; Hofer, M; Benden, C; French, L E; Hofbauer, G F. Persistent photodamage following drug photosensitization in a lungtransplant recipient. *Photodermatology, Photoimmunology & Photomedicine* 2011;27:213-215
- Sancho, A I; Wangorsch, A; Jensen, B M; Watson, A; Alexeev, Y; Johnson, P E; Mackie, A R; Neubauer, A; Reese, G; Ballmer-Weber, B; Hoffmann-Sommergruber, K; Skov, P S; Vieths, S; Mills, E N C. Responsiveness of the major birch allergen Bet v 1 scaffold to the gastric environment: Impact on structure and allergenic activity. *Molecular Nutrition and Food Research* 2011;55:1690-1699
- Schmid-Grendelmeier, P. Kontaktallergien auf Duftstoffe und Kosmetika. Worum handelt es sich? Hrsg: Mancasola, L. In *Der Schweizer Allergie-Ratgeber* 2011:72-76
- Schoenewolf, N L; Barysch, M J; Dummer, R. Intense pulsed light. Hrsg: Allemann, B; Goldberg, D J. In *Basics in Dermatological Laser Applications* 2011:166-172
- Schoenewolf, N L; Urosevic-Maiwald, M; Dummer, R. Tumour heterogeneity of mucosal melanomas during treatment with imatinib. *British Journal of Dermatology* 2011;165:4
- Senti, G; Johansen, P; Kündig, T M. Intralymphatic immunotherapy: from the rationale to human applications. *Current Topics in Microbiology and Immunology*. Hrsg: Valenta, R; Coffman, R L. In *Vaccines against Allergies* 2011:71-84
- Sippel, K; Mayer, D; Ballmer, B; Dragieva, G; Läubli, S; French, L E; Hafner, J. Evidence that venous hypertension causes stasis dermatitis. *Phlebology* 2011;26:361-365

- Studer, G; Brown, M; Salgueiro, E B; Schmückle, H; Romancuk, N; Winkler, G; Lee, S J; Sträuli, A; Kissling, B; Dummer, R; Glanzmann, C. Grade 3/4 dermatitis in head and neck cancer patients treated with concurrent Cetuximab and IMRT. *International Journal of Radiation Oncology, Biology and Physics* 2011;81:110-117
- Theiler, M; Kempf, W; Kerl, K; French, L E; Hofbauer, G F L. Disseminated molluscum contagiosum in a HIV-positive child. Improvement after therapy with 5 % imiquimod. *Journal of Dermatological Case Reports* 2011;5:19-23
- Töndury, B; Hofbauer, G F. FMH Preparation: Polymorphous light eruption. *Dermatologica Helvetica* 2011;2:22-27
- Töndury, B; Muehleisen, B; Ballmer-Weber, B K; Hofbauer, G; Schmid-Grendelmeier, P; French, L; Büchi, S. The Pictorial Representation of Illness and Self Measure (PRISM) instrument reveals a high burden of suffering in patients with chronic urticarial. *Journal of Investigational Allergology and Clinical Immunology* 2011;21:93-100
- Urosevic-Maiwald, M. Epidemiology of cutaneous lymphomas. Hrsg: Dummer, R; Pittelkow, M R; Iwatsuki, K; Green, A; Elwan, N M. In *Skin cancer – a world-wide perspective* 2011;27-31
- van der Leest, R J T; de Vries, E; Bulliard, J-L; Paoli, J; Peris, K; Stratigos, A J; Trakatelli, M; Maselis, T J E M L; Situm, M; Pallouras, A C; Hercogova, J; Zafirovik, Z; Reusch, M; Olah, J; Bylaite, M; Dittmar, H C; Scerri, L; Correia, O; Medenica, L; Bartenjev, I; Guillen, C; Cozzio, A; Bogomolets, O V; del Marmol, V. The Euromelanoma skin cancer prevention campaign in Europe: characteristics and results of 2009 and 2010. *Journal of the European Academy of Dermatology and Venereology* 2011;25:1455-1465
- Verschoor, A; Neuenhahn, M; Navarini, A A; Graef, P; Plaumann, A; Seidlmeier, A; Nieswandt, B; Massberg, S; Zinkernagel, R M; Hengartner, H; Busch, D H. A platelet-mediated system for shuttling blood-borne bacteria to CD8alpha+ dendritic cells depends on glycoprotein GPIb and complement C3. *Nature Immunology* 2011;12:1194-1201
- Vissers, Y M; Blanc, F; Skov, P S; Johnson, P E; Rigby, N M; Przybylski-Nicaise, L; Bernard, H; Wal, J M; Ballmer-Weber, B; Zuidmeer-Jongejan, L; Szépfalusi, Z; Ruinemans-Koerts, J; Jansen, A P H; Savelkoul, H F J; Wichers, H J; Mackie, A R; Mills, C E N; Adel-Patient, K. Effect of heating and glycation on the allergenicity of 2S albumins (Ara h 2/6) from peanut. *PLoS ONE* 2011;6:e23998
- von Moos, S; Kündig, T M; Senti, G. Novel administration routes for allergen-specific immunotherapy: a review of intralymphatic and epicutaneous allergen-specific immunotherapy. *Immunology and Allergy Clinics of North America* 2011;31:391-406
- Winter, M; Beer, H D; Hornung, V; Krämer, U; Schins, R P F; Förster, I. Activation of the inflammasome by amorphous silica and TiO(2) nanoparticles in murine dendritic cells. *Nanotoxicology* 2011;5:326-340
- Zimmermann, M; Koreck, A; Meyer, N; Basinski, T; Meiler, F; Simone, B; Woehrl, S; Moritz, K; Eiwegger, T; Schmid-Grendelmeier, P; Kemeny, L; Akdis, C A. TNF-like weak inducer of apoptosis (TWEAK) and TNF-alpha cooperate in the induction of keratinocyte apoptosis. *Journal of Allergy and Clinical Immunology* 2011;127:200-207.e10
- Zipser, M C; Dummer, R. Epidemiology of histiocytoses. Hrsg: Dummer, R; Pittelkow, M R; Iwatsuki, K; Green, A; Elwan, N M. In *Skin cancer – a world-wide perspective* 2011:33-34
- Zipser, M C; Dummer, R. Pathogenesis of histiocytoses. Hrsg: Dummer, R; Pittelkow, M; Iwatsuki, K; Green, A; Elwan, N M. In *Skin cancer – a world-wide perspective* 2011:73-74
- Zipser, M C; Eichhoff, O M; Widmer, D S; Schlegel, N C; Schoenewolf, N L; Stuart, D; Liu, W; Gardner, H; Smith, P D; Nuciforo, P; Dummer, R; Hoek, K S. A proliferative melanoma cell phenotype is responsive to RAF/MEK inhibition independent of BRAF mutation status. *Pigment Cell & Melanoma Research* 2011;24:326-333
- Zuberbier, T; Aberer, W; Brockow, K; Grabbe, J; Hamelmann, E; Hartmann, K; Jakob, T; Maurer, M; Merk, H F; Ollert, M; Rueff, F; Schmid-Grendelmeier, P; Straubach, P; Voigtmann, I; Wedi, B. S3-Leitlinie Urtikaria Teil 2: Therapie der Urtikaria - deutschsprachige Version der internationalen S3-Leitlinie. *Allergo Journal* 2011;20:259-276
- Zuberbier, T; Aberer, W; Brockow, K; Grabbe, J; Hamelmann, E; Hartmann, K; Jakob, T; Merk, H F; Ollert, M; Rueff, F; Schmid-Grendelmeier, P; Staubach, P; Voigtmann, I; Wedi, B; Maurer, M. S3-Leitlinie Urtikaria Teil 1: Klassifikation und Diagnostik der Urtikaria – deutschsprachige Version der internationalen S3-Leitlinie. *Allergo Journal* 2011;20:249-258

### Original papers (not peer-reviewed)

Geiges, M L. Tierfellnävus – aus Versehen? Historische Konzepte zur Entstehung von Muttermalen. Aktuelle Dermatologie 2011;37:121-123

### Reviews, editorials & commentaries (reviewed)

Ballmer-Weber, B. Management des Patienten mit Nahrungsmittelallergie. Revue Médicale Suisse 2011;7:279-262-263

Ballmer-Weber, B K. Allergic reactions to food proteins. International Journal for 2011;81:173-180

Ballmer-Weber, B K. Au-delà de nos prévisions, mais en-deçà de nos appréhensions. CME – formation continue pour le generalist 2011;1:7-10

Conzett, K B; Kolm, I; Jelcic, I; Kamarachev, J; Dummer, R; Braun, R P; French, L E; Linnebank, M; Hofbauer, G F. Melanoma occurring during treatment with fingolimod for multiple sclerosis: a case report. Archives of Dermatology 2011;147:991-992

Dummer, R; Kerl, K; Mihic, D; Kamarachev, J. Differential diagnosis of melanocytic lesions and molecular biology. Archives of Dermatology 2011;147:232-233

Guggenheim, M; Dummer, R; Giovanoli, P. Die Rolle der Chirurgie in der Behandlung des kutanen Melanoms. Praxis 2011;100:911-916

Hafner J, Böni T, Calcagni M, Jacomella V, Läuchli S, Rüttimann B, Siegrist B, Stössel B, Mayer D. Leg and foot ulcers: Differential diagnosis of relevance. Therapeutische Umschau 2011;69:139-147

Hofbauer, G F L; Gjersvik, P; Bouwes Bavinck, J N. Report on the tenth annual meeting of SCOPE (Skin care in organ transplant recipients in Europe). Journal of Investigative Dermatology 2011;161:1192-1193

Jaimes, N; Braun, R P; Stolz, W; Busam, K J; Marghoob, A A. White globules correlate with balloon cell nevi nests. Journal of the American Academy of Dermatology 2011;65:e119-e120

Le, T M; Fritsche, P; Bublin, M; Oberhuber, C; Bulley, S; van Hoffen, E; Ballmer-Weber, B K; Knulst, A C; Hoffmann-Sommergruber, K. Differences in the allergenicity of 6 different kiwifruit cultivars analyzed by prick-to-prick testing, open food challenges, and ELISA. Journal of Allergy and Clinical Immunology 2011;127:677-679

Nobbe, S; Trüeb, R M; French, L E; Hofbauer, G F L. Herpes simplex virus reactivation as a complication of photodynamic therapy. Photodermatology, Photoimmunology & Photomedicine 2011;27:51-52

Sailer, E; Kamarachev, J; Boehler, A; Speich, R; Hofer, M; Benden, C; French, L E; Hofbauer, G F L. Persistent photodamage following drug photosensitization in a lung-transplant recipient. Photodermatology, Photoimmunology & Photomedicine 2011;27:213-215

Schmid-Grendelmeier, P. Einleitung. Hrsg: Mancassola, L. In Der Schweizer Allergie-Ratgeber 2011:6-7

Schmid-Grendelmeier, P. Les principales étapes diagnostiques lors d'une allergie. CME - formation continue pour le generalist 2011;1:2

Senti, G; von Moos, S; Kündig, T M. Epicutaneous allergen administration: is this the future of allergen-specific immunotherapy? Allergy 2011;66:798-809

Sánchez-Schmidt, J M; Salgado, R; Servitje, O; Gallardo, F; Ortiz-Romero, P L; Karpova, M B; Zipser, M C; García-Muret, M P; Estrach, T; Rodríguez-Pinilla, S M; Climent, F; Suela, J; Ferreira, B I; Cigudosa, J C; Salido, M; Barranco, C; Serrano, S; Dummer, R; Solé, F; Pujol, R M; Espinet, B. Primary cutaneous CD30+ anaplastic large-cell lymphomas show a heterogeneous genomic profile: an oligonucleotide arrayCGH approach. Journal of Investigative Dermatology 2011;131:269-271

### Reviews, editorials & commentaries (not reviewed)

Imhof, L; Kerl, K; Barysch, M J; Dummer, R; French, L E; Hofbauer, G F L. Facial blaschkitis: case and review. Dermatology 2011;223:1-3

Töndury, B; Schmid-Grendelmeier, P; Ballmer-Weber, B K. Nur für Antihistaminika besteht ausreichende Evidenz. Therapie der chronisch idiopathischen Urtikaria. Dermatologie Praxis 2011;1:19-20

## Publications 2012

### Original papers (peer-reviewed)

Alavi, A; Mayer, D; Hafner, J; Sibbald, R G. Martorell hypertensive ischemic leg ulcer: an underdiagnosed entity. *Advances in Skin & Wound Care* 2012;25:563-573

Anforth, R M; Blumetti, T C M P; Kefford, R F; Sharma, R; Scolyer, R A; Kossard, S; Long, G V; Fernandez-Peñas, P. Cutaneous manifestations of dabrafenib (GSK2118436): a selective inhibitor of mutant BRAF in patients with metastatic melanoma. *British Journal of Dermatology* 2012;167:1153-116

Arnold, A W; Hofbauer, G F L. Human papillomavirus and squamous cell cancer of the skin-epidermodysplasia verruciformis-associated human papillomavirus revisited. *Current Problems in Dermatology* 2012;43:49-56

Bachmann, M F. Taurine: energy drink for T cells. *European Journal of Immunology* 2012;42:819-821

Balagula, Y; Braun, R P; Rabinovitz, H S; Dusza, S W; Scope, A; Liebman, T N; Mordente, I; Siamas, K; Marghoob, A A. The significance of crystalline / chrysalis structures in the diagnosis of melanocytic and nonmelanocytic lesions. *Journal of the American* 2012;67:194.e1-194.e8

Ballmer-Weber, B K. Nahrungsmittelallergien bei Erwachsenen. Hrsg: Schmid-Grendelmeier, P. In *Schweizer Allergie-Ratgeber* 2012:14-22

Ballmer-Weber, B K; Skamstrup Hansen, K; Sastre, J; Andersson, K; Bättscher, I; Ostling, J; Dahl, L; Hanschmann, K-M; Holzhauser, T; Poulsen, L K; Lidholm, J; Vieths, S. Component-resolved in vitro diagnosis of carrot allergy in three different regions of Europe. *Allergy* 2012;67:758-766

Barysch, M J; Eggmann, N; Beyeler, M; Panizzon, R; Seifert, B; Dummer, R. Long-term recurrence rate of large and difficult to treat cutaneous squamous cell carcinomas after superficial radiotherapy. *Dermatology* 2012;224:59-65

Barysch, M J; Rümmelein, B; Kolm, I; Karpova, M B; Schönewolf, N; Bogdan Allemann, I; Dummer, R. Split-face study of melasma patients treated with non-ablative fractionated photothermolysis (1540nm). *Journal of the European Academy of Dermatology and Venereology* 2012;26:423-430

Bassoli, S; Rabinovitz, H S; Pellacani, G; Porges, L; Oliviero, M C; Braun, R P; Marghoob, A A; Seidenari, S; Scope, A. Reflectance confocal microscopy criteria of lichen planus-like keratosis. *Journal of the European Academy of Dermatology and Venereology* 2012;26:578-590

Belloni, B; Johansen, N; Glass, L F; Dummer, R. Recent advances in the management of cutaneous lymphomas. *Seminars in Oncology* 2012;39:150-162

Belloni, B; Schönewolf, N; Rozati, S; Goldinger, S M; Dummer, R. Cutaneous drug eruptions associated with the use of new oncological drugs. *Chemical Immunology and Allergy* 2012;97:191-202

Bessa, J; Zabel, F; Link, A; Jegerlehner, A; Hinton, H J; Schmitz, N; Bauer, M; Kündig, T M; Saudan, P; Bachmann, M F. Low-affinity B cells transport viral particles from the lung to the spleen to initiate antibody responses. *Proceedings of the National Academy of Sciences of the United States of America* 2012;109:20566-20571

Bousquet, J; Heinzerling, L; Bachert, C; Papadopoulos, N G; Bousquet, P J; Burney, P G; Canonica, G W; Carlsen, K H; Cox, L; Haahtela, T; Lodrup Carlsen, K C; Price, D; Samolinski, B; Simons, F E R; Wickman, M; Annesi-Maesano, I; Baena-Cagnani, C E; Bergmann, K C; Bindeslev-Jensen, C; Casale, T B; Chiriac, A; Cruz, A A; Dubakiene, R; Durham, S R; Fokkens, W J; Gerth-van-Wijk, R; Kalayci, O; Kowalski, M L; Mari, A; Mullol, J; Nazamova-Baranova, L; O'Hehir, R E; Ohta, K; Panzner, P; Passalacqua, G; Ring, J; Rogala, B; Romano, A; Ryan, D; Schmid-Grendelmeier, P; Todo-Bom, A; Valenta, R; Woehrl, S; Yusuf, O M; Zuberbier, T; Demoly, P. Practical guide to skin prick tests in allergy to aeroallergens. *Allergy* 2012;67:18-24

Boyman, O; Krieg, C; Letourneau, S; Webster, K; Surh, C D; Sprent, J. Selectively expanding subsets of T cells in mice by injection of interleukin-2/antibody complexes: implications for transplantation tolerance. *Transplantation Proceedings* 2012;44:1032-1034

Boyman, O; Werfel, T; Akdis, C A. The suppressive role of IL-10 in contact and atopic dermatitis. *Journal of Allergy and Clinical Immunology* 2012;129:160-161

Braun, M; Jandus, C; Maurer, P; Hammann-Haenni, A; Schwarz, K; Bachmann, M F; Speiser, D E; Romero, P. Virus-like particles induce robust human T-helper cell responses. *European Journal of Immunology* 2012;42:330-340

- Braun, R P; Gutkowitz-Krusin, D; Rabinovitz, H; Cognetta, A; Hofmann-Wellenhof, R; Ahlgrimm-Siess, V; Polsky, D; Oliviero, M; Kolm, I; Googe, P; King, R; Prieto, V G; French, L; Marghoob, A; Mihm, M. Agreement of dermatopathologists in the evaluation of clinically difficult melanocytic lesions: how golden is the 'gold standard'? *Dermatology* 2012;224:51-58
- Brodská, P; Schmid-Grendelmeier, P. Treatment of severe cold contact urticaria with omalizumab: case reports. *Case Reports in Dermatology* 2012;4:275-280
- Clemens, R K J; Meier, T O; Pfiffner, R; Hafner, J; Amann-Vesti, B. Sclerotherapy of lymphatic cysts of the leg with OK-432. *Vasa* 2012;2:149-153
- Cochrane, S A; Salt, L J; Wantling, E; Rogers, A; Coutts, J; Ballmer-Weber, B K; Fritsche, P; Fernández-Rivas, M; Reig, I; Knulst, A; Le, T-M; Asero, R; Beyer, K; Golding, M; Crevel, R; Clare Mills, E N; Mackie, A R. Development of a standardized low-dose double-blind placebo-controlled challenge vehicle for the EuroPrevall project. *Allergy* 2012;67:107-113
- Contassot, E; Beer, H-D; French, L E. Interleukin-1, inflammasomes, autoinflammation and the skin. *Swiss Medical Weekly* 2012;142:w13590
- Contassot, E; Jankovic, D; Schuler, P; Preynat-Seauve, O; Gehrke, S; Kerl, K; Beermann, F; French, L E. Carcinogen treatment in mouse selectively expressing activated N-Ras Q61K in melanocytes recapitulates metastatic cutaneous melanoma development. *Pigment Cell & Melanoma Research* 2012;25:275-278
- Daud, A; Soon, C; Dummer, R; Eggermont, A M M; Hwu, W J; Grob, J J; Garbe, C; Hauschild, A. Management of pegylated interferon alpha toxicity in adjuvant therapy of melanoma. *Expert Opinion on Biological Therapy* 2012;12:1087-1099
- Denisjuk, N; Hilty, N; Pfaltz, M; Kempf, W. Necrotizing infundibular crystalline folliculitis: a clinicopathological study. *Journal of the American Academy of Dermatology* 2012;66:823-826
- Dirschka, T; Radny, P; Dominicus, R; Mensing, H; Brüning, H; Jenne, L; Karl, L; Sebastian, M; Oster-Schmidt, C; Klövekorn, W; Reinhold, U; Tanner, M; Gröne, D; Deichmann, M; Simon, M; Hübinger, F; Hofbauer, G; Krähn-Senftleben, G; Borrosch, F; Reich, K; Berking, C; Wolf, P; Lehmann, P; Moers-Carpi, M; Hönigsmann, H; Wernicke-Panten, K; Helwig, C; Foguet, M; Schmitz, B; Lübbert, H; Szeimies, R M. Photodynamic therapy with BF-200 ALA for the treatment of actinic keratosis: results of a multicentre, randomized, observer-blind phase III study in comparison with a registered methyl-5-aminolaevulinate cream and placebo. *British Journal of Dermatology* 2012;166:137-146
- Dummer, R; Beyer, M; Hymes, K; Epping, M T; Bernards, R; Steinhoff, M; Sterry, W; Kerl, H; Heath, K; Ahern, J D; Hardwick, J S; Garcia-Vargas, J; Baumann, K; Rizvi, S; Frankel, S R; Whittaker, S J; Assaf, C. Vorinostat combined with bexarotene for treatment of cutaneous T-cell lymphoma: in vitro and phase I clinical evidence supporting augmentation of retinoic acid receptor/retinoid X receptor activation by histone deacetylase inhibition. *Leukemia and Lymphoma* 2012;53:1501-1508
- Dummer, R; Goldinger, S M; Cozzio, A; French, L E; Karpova, M B. Cutaneous lymphomas: Molecular pathways leading to new drugs. *Journal of Investigative Dermatology* 2012;132:517-525
- Dummer, R; Goldinger, S; Rinderknecht, J; Eggmann, N; Felderer, L; Braun, R; French, L E. Melanomtherapie – ein Paradigma für die "personalized medicine". *Praxis* 2012;15:955-959
- Dummer, R; Hauschild, A; Guggenheim, M; Keilholz, U; Pentheroudakis, G. Cutaneous melanoma: ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up. *Annals of Oncology* 2012;23:vii86-vii91
- Dummer, R; Rozati, S; Eggmann, N; Rinderknecht, J; Goldinger, S M. From chemotherapy to targeted treatment. *Annals of Oncology* 2012;23:x101-x103
- Dummer, R; Quaglino, P; Becker, J C; Hasan, B; Karrasch, M; Whittaker, S; Morris, S; Weichenthal, M; Stadler, R; Bagot, M; Cozzio, A; Bernengo, M G; Knobler, R. Prospective international multicenter phase II trial of intravenous pegylated liposomal doxorubicin monotherapy in patients with stage IIB, IVA, or IVB advanced mycosis fungoides: final results from EORTC 21012. *Journal of Clinical Oncology* 2012;30:4091-4097
- Eggermont, A M M; Suci, S; Testori, A; Kruit, W H; Marsden, J; Punt, C J; Santinami, M; Salès, F; Schadendorf, D; Patel, P; Dummer, R; Robert, C; Keilholz, U; Yver, A; Spatz, A. Ulceration and stage are predictive of interferon efficacy in melanoma: Results of the phase III adjuvant trials EORTC 18952 and EORTC 18991. *European Journal of Cancer* 2012;48:218-225
- Eggermont, A M M; Suci, S; Testori, A; Santinami, M; Kruit, W H J; Marsden, J; Punt, C J A; Salès, F; Dummer, R; Robert, C; Schadendorf, D; Patel, P M; de Schaetzen, G; Spatz, A; Keilholz, U. Long-term results of the randomized phase III trial EORTC 18991 of adjuvant therapy

with pegylated interferon alfa-2b versus observation in resected stage III melanoma. *Journal of Clinical Oncology* 2012;30:3810-3818

Euvrard, S Morelon, E; Rostaing, L; Goffin, E; Brocard, A; Tromme, I; Broeders, N; del Marmol, V; Chatelet, V; Domp Martin, A; Kessler, M; Serra, A L; Hofbauer, G F L; Pouteil-Noble, C; Campistol, J M; Kanitakis, J; Roux, A S; Decullier, E; Dantal, J. Sirolimus and secondary skin-cancer prevention in kidney transplantation. *New England Journal of Medicine* 2012;367:329-339

Feldmeyer, L; Hofbauer, G F L; Böni, T; French, L E; Hafner, J. Mammalian target of rapamycin (mTOR) inhibitors slow skin carcinogenesis, but impair wound healing. *British Journal of Dermatology* 2012;166:422-424

Feldmeyer, L; Werner, S; Kamarashev, J; French, L E; Hofbauer, G F L. Atopic prurigo nodularis responds to intravenous immunoglobulins. *British Journal of Dermatology* 2012;166:461-462

Flaherty, K T; Robert, C; Hersey, P; Nathan, P; Garbe, C; Milhem, M; Demidov, L V; Hassel, J C; Rutkowski, P; Mohr, P; Dummer, R; Trefzer, U; Larkin, J; Utikal, J; Dreno, B; Casey, M; Sherman, L J; Wu, F S; Schadendorf, D. Improved survival with MEK inhibition in BRAF-mutated melanoma for the METRIC Study Group. *New England Journal of Medicine* 2012;367:107-114

French, L E; Prins, C. Erythema multiforme, Steven-Johnson syndrome and toxic epidermal necrolysis. Hrsg: Bolgonia, J L; Jorizzo, J L; Schaffner, J V. *Dermatology* 2012;319-333

Geier, J; Lessmann, H; Skudlik, C; Ballmer-Weber, B K; Weisshaar, E; Uter, W; Schnuch, A. Berufsbedingte Kontaktallergie bei Maurern, Fliesenlegern und Angehörigen verwandter Berufe. Aktuelles Sensibilisierungsspektrum und Entwicklungen der letzten Jahre. *Dermatologie in Beruf und Umwelt* 2012;60:136-150

Glatz, Martin; Hofbauer, G F L. Phototoxic and photoallergic cutaneous drug reactions. *Chemical Immunology and Allergy* 2012;97:167-179

Glutz von Blotzheim, L; Tanner, F; Noll, G; Brock, M; Fischler, M; Hafner, Speich, R; Ulrich, S; Huber, L C. Pulmonary hypertension in patients with Martorell hypertensive leg ulcer: a case control study. *Respiratory Research* 2012;13:45

Goeksu, Y; Zimmerli, L U; Braun, R P; Klaghofer, R; French, L E; Battegay, E Navarini, A A. Acutely ill patients in internal medicine departments want treatment for undiagnosed, symptomatic skin conditions. *Dermatology* 2012;225:115-120

Goldinger, S M. Ipilimumab zur Behandlung des fortgeschrittenen Melanoms. *Swiss Medical Forum = Schweizerisches Medizin-Forum* 2012;12:639-640

Goldinger, S M; Dummer, R; Baumgaertner, P; Mihic-Probst, D; Schwarz, K; Hammann-Haenni, A; Willers, Geldhof, C; Prior, J O; Kündig, T M; Michielin, O; Bachmann, M F; Speiser, Daniel E. Nano-particle vaccination combined with TLR-7 and -9 ligands triggers memory and effector CD8<sup>+</sup> T-cell responses in melanoma patients. *European Journal of Immunology* 2012;11:3049-3061

Greter, M; Lelios, I; Pelczar, P; Hoeffel, G; Price, J; Leboeuf, M; Kündig, T M; Frei, K; Ginhoux, F; Merad, M; Becher, Burkhard. Stroma-derived interleukin-34 controls the development and maintenance of langerhans cells and the maintenance of microglia. *Immunity* 2012;37:1050-1060

Göksu, Y; Hofbauer, G; Serra, A; Nowak, A. Maligne Hauterkrankungen bei organtransplantierten Patienten. *Praxis* 2012;101:75-83

Hafner, J; Nobbe, S; Partsch, H; Läuchli, S; Mayer, D O; Amann-Vesti, B; Speich, R; Schmid, C; Burg, G; French, L E. Ulcus hypertonicum Martorell – Ein Modell der ischämischen subkutanen Arteriolenosklerose. *Vasomed-Die Fachzeitschrift für Gefässerkrankungen* 2012;24:6-10

Harr, T; French, L E. Stevens-Johnson syndrome and toxic epidermal necrolysis. *Chemical Immunology and Allergy* 2012;97:149-66

Has, C; Spartà, G; Kiritsi, D; Weibel, L; Moeller, A; Vega-Warner, V; Waters, A; He, Yinghong; A, Yair; Esser, P; Straub, B K; Hausser, I; Bockenbauer, D; Dekel, B; Hildebrandt, F; Bruckner-Tuderman, L; Laube, G F. Integrin alpha3 mutations with kidney, lung, and skin disease. *New England Journal of Medicine* 2012;366:1508-1514

Heiser, D; Müller H G; H, Kempf, W; Eisendle, K; Zelger, B Primary cutaneous plasmablastic lymphoma of the lower leg in an HIV-negative patient. *Journal of the American Academy of Dermatology* 2012;67:202-e205

Hofbauer, G F L; Freiburger, S N; Iotzova-Weiss, G; Shafaeddin, Bahar; Dziunycz, P J. Organ transplantation and skin-principles and concepts. *Current Problems in Dermatology* 2012;43:1-8

- Hofer, T; Wodzinski, A; Kempf, W. A palliative intervention allows discovery of a rare tumor: lymphoepithelioma-like carcinoma of the skin. *Dermatology Online Journal* 2012;18:7
- Hu, B; Castillo, E; Harewood, L; Ostano, P; Reymond, A; Dummer, R; Raffoul, W; Hoetzenecker, W; Hofbauer, G F; Dotto, G P. Multifocal Epithelial Tumors and Field Cancerization from Loss of Mesenchymal CSL Signaling. *Cell* 2012;149:1207-1220
- Hunziker, T; Hafner, J; Streit, M; Läubli, S. Pflanzlicher Wundspray für akute und chronische Hautwunden. *Wundmanagement* 2012;6:270-274
- Jaimes, N; Braun, R P; Thomas, L; Marghoob, A A. Clinical and dermoscopic characteristics of amelanotic melanomas that are not of the nodular subtype. *Journal of the European Academy of Dermatology and Venereology* 2012;26:591-596
- Jaimes, N; Halpern, J A; Puig, S; Malvehy, J; Myskowski, P L; Braun, R P; Marghoob, A A. Dermoscopy: an aid to the detection of amelanotic cutaneous melanoma metastases. *Dermatologic Surgery* 2012;38:1437-1444
- Kacerovska, D; Kerl, K; Michal, M; Filipova, H; Vrtel, Vanecek, Tomas; Z, Hana; K, Jaroslav; Roman; K; Dmitry V. Giant angiofibromas in tuberous sclerosis complex: A possible role for localized lymphedema in their pathogenesis. *Journal of the American Academy of Dermatology* 2012;67:1319-1326
- Kameda, G; Kempf, W; Oschlies, I; Michael, K; Seifert, G; Längler, A. Nodal anaplastic large-cell lymphoma ALK-1- with CD30+ cutaneous lymphoproliferation treated with mistletoe: spontaneous remission or treatment response? *Klinische Pädiatrie* 2011;223:364-367
- Kanitz, A; Imig, J; Dziunycz, P J; Primorac, A; Galgano, A; Hofbauer, G F L; Gerber, A P; Detmar, Michael. The expression levels of microRNA-361-5p and its target VEGFA are inversely correlated in human cutaneous squamous cell carcinoma. *PLoS ONE* 2012;7 49568
- Kempf, W; Denisjuk, N;; Kerl, K; Cozzio, A; Sander, C. Primary cutaneous B-cell lymphomas. *Journal der Deutschen Dermatologischen Gesellschaft* 2012;10:12-23
- Kempf, W; Kazakov, D V; Cipolat, C; Kutzner, H; Roncador, G; Tomasini, D. CD4/CD8 double negative mycosis fungoides with PD-1 (CD279) expression—a disease of follicular helper T-cells? *American Journal of Dermatopathology* 2012;34:757-761
- Kempf, W; Kazakov, D V; Palmedo, G; Freitag, S; Schaefer, Leo; Kutzner, H. Pityriasis lichenoides et varioliformis acuta with numerous CD30(+) cells: a variant mimicking lymphomatoid papulosis and other cutaneous lymphomas. A clinicopathologic, immunohistochemical, and molecular biological study of 13 cases. *American Journal of Surgical Pathology* 2012;36:1021-1029
- Kempf, W; Kazakov, D V; Schermesser, M; Buechner, S A; Parmentier, L; Wysocki, A; Palmedo, G; Häusermann, P. Unilesional follicular mycosis fungoides: report of two cases with progression to tumor stage and review of the literature. *Journal of Cutaneous Pathology* 2012;39:853-860
- Kempf, W; Mertz, K D; Kanitakis, J; Hofbauer, G F L. Critical skin cancer in organ transplant recipients—a dermatopathological view. *Current Problems in Dermatology* 2012;43:18-35
- Kerl, K; Kempf, W; Kamarachev, J; Spallone, G; Braun, R; Wiesner, T; French, L E; Dummer, R. Constitutional Intraepidermal ascent of Melanocytes. A potential pitfall in the diagnosis of Melanocytic Lesions. *Archives of Dermatology* 2012;148:235-238
- Kerl, K. Histopathological patterns indicative of distinct adverse drug reactions. *Chemical Immunology and Allergy* 2012;97:61-78
- Kerl, K; Palmedo, G; Wiesner, T; Mentzel, T; Rütten, A; Schärer, L; Paredes, B; Hantschke, M; Kutzner, H. A proposal for improving multicolor FISH sensitivity in the diagnosis of malignant melanoma using new combined criteria. *American Journal of Dermatopathology* 2012;34:580-585
- Kirkwood, J M; Bastholt, L; Robert, C; Sosman, J; Larkin, J; Hersey, P; Middleton, M; Cantarini, M; Zazulina, V; Kemsley, K; Dummer, R. Phase II, open-label, randomized trial of the MEK1/2 inhibitor selumetinib as monotherapy versus temozolomide in patients with advanced melanoma. *Clinical Cancer Research* 2012;18:555-567
- Knaute, D Fröhlich; Graf, N; Lautenschlager, Sn; Weber, R; Bosshard P P. Serological Response to Treatment of Syphilis According to Disease Stage and HIV Status. *Clinical Infectious Diseases* 2012;55:1615-1622
- Kocher, C; Segerer, S; Schleich, A; Caduff, R; Wyler, L G; Müller, V; Beck, B; Blum, J; Kamarachev, J; Mueller, N J. Skin lesions, malaise, and heart failure in a renal transplant recipient. *Transplant Infectious Disease* 2012;14:391-397

- Kolios, A G A; Rusca, F; Reisenbauer, K; Cozzio, A; French, L E; Navarini, A A. Topical treatment habits in psoriasis patients receiving adalimumab. *Dermatology* 2012;224:228-230
- Lacroix, M; Lacaze-Buzy, L; Furio, L; Tron, E; V M; Van der Wier, G; Bodemer, C; Bygum, A; Bursztejn, A-C; Gaitanis, G; Paradisi, M; Stratigos, Ar; Weibel, L; Deraison, C; Hovnanian, A. Clinical expression and new SPINK5 splicing defects in Netherton syndrome: unmasking a frequent founder synonymous mutation and unconventional intronic mutations. *Journal of Investigative Dermatology* 2012;132:575-582
- Levin, A M; Bates, D L; Ring, A M; Krieg, C; Lin, J T; Su, L; Moraga, I; Raeber, M E; Bowman, G R; Novick, P; Pande, V S; Fathman, C G; Boyman, O; Garcia, K Ch. Exploiting a natural conformational switch to engineer an interleukin-2 'superkine'. *Nature* 2012;484:529-533
- Lieder, F; Reisen, F; Geppert, T; Sollberger, G; Beer, H-D; auf dem Keller, U; Schäfer, M; Detmar, M; Schneider, G; Werner, S. Identification of UV-protective activators of nuclear factor erythroid-derived 2-related factor 2 (Nrf2) by combining a chemical library screen with computer-based virtual screening. *Journal of Biological Chemistry* 2012;287:33001-33013
- Lin, W M; Lewis, J M; Filler, R B; Modi, B G; Carlson, K R; Reddy, S; Thornberg, A; Saksena, G; Umlauf, S; Oberholzer, P A; Karpova, M; Getz, G; Mane, S; Garraway, L A; Dummer, R; Berger, C L; Edelson, R L; Girardi, M. Characterization of the DNA copy-number genome in the blood of cutaneous T-cell lymphoma patients. *Journal of Investigative Dermatology* 2012;132:188-197
- Luchsinger, I; Hafner, J. Chronische Wunden: Die Diagnose kommt vor der Therapie! *Ars Medici* 2012;14:707-710
- Läuchli, S. 1 Primary Wound Dressing: clinical experience. *Clinical, Nursing & Patient Care* 2012:1-3
- Läuchli, S; Hafner, J; Wehrmann, C; French, L E; Hunziker, T. Post-surgical scalp wounds with exposed bone treated with a plant-derived wound therapeutic. *Journal of Wound Care* 2012;21:228-233
- Mackie, A; Knulst, Ae; Le, T-M; Bures, P; Salt, L; Mills, E N C; Malcolm, P; Andreou, A; Ballmer-Weber, B K. High fat food increases gastric residence and thus thresholds for objective symptoms in allergic patients. *Molecular Nutrition & Food Research* 2012;56:1708-1714
- Malisiewicz, B; Murer, C; Pachlopnik Schmid, J; French, L E; Schmid-Grendelmeier, P; Navarini, A. Eosinophilia during Psoriasis treatment with TNF antagonists. *Dermatology* 2011;223:311-315
- Mangana, J; Lévesque, M P; Karpova, M B; Dummer, R. Sorafenib in melanoma. *Expert Opinion on Investigational Drugs* 2012;21:557-568
- Mayer, F; Hofbauer, Günther F L; Nowak, A. Frühe kutane Karzinogenese bei organtransplantierten Patienten. *Praxis* 2012;101:1401-1409
- Meyer S, P M; Trück, J; Bosshard, P P; Tomaske, M; Morán C, F; Lautenschlager, S; Goetschel, P. Congenital syphilis in Switzerland: gone, forgotten, on the return. *Swiss Medical Weekly* 2012;141:w13325
- Mihic-Probst, D; Ikenberg, K; Tinguely, M; Schraml, P; Behnke, S; Seifert, B; Civenni, G; Sommer, L; Moch, H; Dummer, R. Tumor cell plasticity and angiogenesis in human melanomas. *PLoS ONE* 2012;7:e33571
- Mirchevska, G; Bosshard, P P. In Vitro susceptibility testing of aspergillus and non-aspergillus filamentous moulds to antifungal agents: evaluation of three different methods. *Macedonian Journal of Medical Sciences* 2012;5:280-287
- Mitteldorf, C; Mertz, K D; Fernández-Figueras, M T; Schmid, M; T, M; Kempf, W. Detection of Merkel cell polyomavirus and human papillomaviruses in merkel cell carcinoma combined with squamous cell carcinoma in immunocompetent European patients. *American Journal of Dermatopathology* 2012;34:506-510
- Mooney, E; Kempf, W; Jemec, G B E; Koch, L; Hood, A. Diagnostic accuracy in virtual dermatopathology. *Journal of Cutaneous Pathology* 2012;39:758-761
- Mühleisen, B; Petrov, I; Frigerio, S; Dziunycz, P; French, L E; Hofbauer, G F L. Pronounced allelic imbalance at D9S162 in skin squamous cell carcinoma of organ transplant recipients. *Archives of Dermatology* 2012;148:697-703
- Müller, U; Schmid-Grendelmeier, P; Hausmann, O; Helbling, A. IgE to recombinant allergens Api m 1, Ves v 1, and Ves v 5 distinguish double sensitization from crossreaction in venom allergy. *Allergy* 2012;67:1069-1073
- Nobbe, S; Dziunycz, P; Mühleisen, B; Billsborough, J; Dillon, S R; French, L E; Hofbauer, G F L. IL-31 expression by inflammatory cells is preferentially elevated in atopic dermatitis. *Acta Dermato-Venereologica* 2012;92:24-28

- Oberholzer, P A; Kee, D; Dziunycz, P; Sucker, A; Kamsukom, N; Jones, R; Roden, C; Chalk, C J; Ardlie, K; Palescandolo, E; Piris, A; Macconail, L E; Robert, C; Hofbauer, G F L; McArthur, G A; Schadendorf, D; Garraway, L A. RAS Mutations Are Associated With the Development of Cutaneous Squamous Cell Tumors in Patients Treated With RAF Inhibitors. *Journal of Clinical Oncology* 2012;30:316-321
- Pfaltz, K; Kerl, K; Palmedo, G; Kutzner, H; Kempf, W. Clonality in sarcoidosis, granuloma annulare, and granulomatous mycosis fungoides. *American Journal of Dermatopathology* 2011;33:659-662
- Prinz Vavricka, B M; Hofbauer, G F L; Dummer, R; French, L E; Kempf, W. Topical treatment of cutaneous Kaposi sarcoma with imiquimod 5% in renal-transplant recipients: a clinicopathological observation. *Clinical and Experimental Dermatology* 2012;37:620-625
- Pritchard, D I; Blount, D G; Schmid-Grendelmeier, P; Till, S J. Parasitic worm therapy for allergy: Is this incongruous or avant-garde medicine? *Clinical and Experimental Allergy* 2012;42:505-512
- Reinau, D; Meier, C; Gerber, N; Hofbauer, G F L; Surber, C. Sun protective behaviour of primary and secondary school students in North-Western Switzerland. *Swiss Medical Weekly* 2012;142:w13520
- Rongioletti, F; Fausti, V; Kempf, W; Rebora, A; Parodi, A. Eosinophilic annular erythema: an expression of the clinical and pathological polymorphism of Wells syndrome. *Journal of the American Academy of Dermatology* 2011;65:135-137
- Roth, W; Kumar, V; Beer, H-D; Richter, M; Wohlenberg, C; Reuter, U; Thiering, S; Staratschek-Jox, A; Hofmann, A; Kreusch, F; Schultze, J L; Vogl, T; Roth, J; Reichelt, J; Hausser, I; Magin, T M. Keratin 1 maintains skin integrity and participates in an inflammatory network in skin via interleukin-18. *Journal of Cell Science* 2012;125:5269-5279
- Rüegg, C P; Graf, N; Mühleisen, B; Szucs, T D; French, L E; Surber, C; Hofbauer, Günther F L. Squamous cell carcinoma of the skin induces considerable sustained cost of care in organ transplant recipients. *Journal of the American Academy of Dermatology* 2012;67:1242-1249
- Rümmelein, B. Behandlung von Aknenarben. Neue Hoffnung bei un schönen Pubertätserinnerungen. *Dermatologie Praxis* 2012;2:4-5
- Rümmelein, B. Neues Behandlungskonzept zur Straffung der Gesichtshaut. Das Facial Makeover: Wirksam und doch well. *Kosmetische Medizin* 2012;3:80-83
- Rümmelein, B; Zindel, C. Neues und Bekanntes zur Cellulite. Je mehr Muskulatur, desto weniger Cellulite. *Dermatologie Praxis* 2012;3:4-6
- Schaffner, N; Folkers, G; Käppeli, S; Musholt, M; Hofbauer, G F L; Candia, Victor. A new tool for real-time pain assessment in experimental and clinical environments. *PLoS ONE* 2012;7:51014
- Scheer, H S; Kegel, C; Kamarashev, J; Weibel, L. Translucent nasal papules in a 3-year-old boy-quiz case. *Archives of Dermatology* 2012;148:641-646
- Scheer, H S; Kamarashev, J; Weibel, L. Successful treatment of recurrent idiopathic plantar eccrine hidradenitis with colchicine. *Archives of Dermatology* 2012;148:1357-1359
- Schmid-Grendelmeier, P. Kontaktallergien auf Duftstoffe und Kosmetika. Hrsg: Schmid-Grendelmeier, P. In *Schweizer Allergie-Ratgeber* 2012;63-67
- Schmitz, N; Beerli, R R; Bauer, M; Jegerlehner, A; Dietmeier, K; Maudrich, M; Pumpens, P; Saudan, P; Bachmann, M F. Universal vaccine against influenza virus: linking TLR signaling to anti-viral protection. *European Journal of Immunology* 2012;42:863-869
- Schoenewolf, N L; Bull, C; Belloni, B; Holzmann, D; Tonolla, S; Lang, R; Mihic-Probst, D; Andres, C; Dummer, R. Sinonasal, genital and acrolentiginous melanomas show distinct characteristics of KIT expression and mutations. *European Journal of Cancer* 2012;48:1842-1852
- Schoenewolf, N L; Dummer, R; Mihic-Probst, D; Moch, H; Simcock, M; Ochsenbein, A; Gillessen, S; Schraml, P; von Moos, R. Detecting BRAF Mutations in Formalin-Fixed Melanoma: Experiences with Two State-of-the-Art Techniques. *Case Reports in Oncology* 2012;5:280-289
- Senti, G; Cramer, R; Kuster, D; Johansen, P; Martinez-Gomez, J M; Graf, N; Steiner, M; Hothorn, L A; Grönlund, H; Tivig, C; Zaleska, A; Soyer, O; van Hage, M; Akdis, C A; Akdis, M; Rose, H; Kündig, T M. Intralymphatic immunotherapy for cat allergy induces tolerance after only 3 injections. *Journal of Allergy and Clinical Immunology* 2012;129:1290-1296
- Senti, G; von Moos, S; Tay, F; Graf, N; Sonderegger, T; Johansen, P; Kündig, T M. Epicutaneous allergen-specific immunotherapy ameliorates grass pollen-induced rhinoconjunctivitis: A double-blind, placebo-controlled

dose escalation study. *Journal of Allergy and Clinical Immunology* 2012;129:128-135

Shafaeddin Schreve, B; Anliker, M; Arnold, A W; Kempf, W; Laffitte, E; Lapointe, A-K; Mainetti, C; Pelloni, F; Oberholzer, Patrick; Serra, Andreas; Streit, Markus; Hofbauer, Günther F L. Pre- and posttransplant management of solid organ transplant recipients: risk-adjusted follow-up. *Current Problems in Dermatology* 2012;43:57-70

Shakhova, O; Zingg, D; Schaefer, S M; Hari, L; Civenni, G; Blunski, J; Claudinot, S; Okoniewski, M; Beermann, Friedrich; Mihic-Probst, D; Moch, H; Wegner, M; Dummer, R; Barrandon, Yann; Paolo C.; Sommer, L. Sox10 promotes the formation and maintenance of giant congenital naevi and melanoma. *Nature Cell Biology* 2012;14:882-890

Sollberger, G; Strittmatter, G; Kistowska, M; French, L E; Beer, H D. Caspase-4 is required for activation of inflammasomes. *Journal of Immunology* 2012;188:1992-2000

Stanganelli, I; Argenziano, G; Sera, F; Blum, A; Ozdemir, F; Karaarslan, I K; Piccolo, D; Peris, K; Kirchesch, H; Bono, R; Pizzichetta, M A; Gasparini, S; Braun, R P; Correia, O; Thomas, L; Zaballos, P; Puig, S; Malvey, J; Scalvenzi, M; Rabinovitz, H; Bergamo, A; Pellacani, G; Longo, C; Pavlovic, M; Rosendahl, C; Hofmann-Wellenhof, R; Cabo, H; Marghoob, A A; Langford, D; Astorino, S; Manganoni, A M; Gourhant, J Y; Keir, J; Grichnik, J M; Fumo, G; Dong, H; Sortino Rachou, A M; Ferrara, G; Zalaudek, I. Dermoscopy of scalp tumours: a multi-centre study conducted by the international dermoscopy society. *Journal of the European Academy of Dermatology and Venereology* 2012;26:953-963

Steiner, U C; Trüeb, R M; Schad, K; Kamarashev, J; Koch, S; French, L E; Hofbauer, G F L. Trichophyton rubrum-induced Majocchi's Granuloma in a heart transplant recipient. A therapeutic challenge. *Journal of Dermatological Case Reports* 2012;6:70-72

Szucs, T D; Kressig, R W; Papageorgiou, M; Kempf, W; Michel, J-P; Fendl, A; Bresse, X. Economic evaluation of a vaccine for the prevention of herpes zoster and post-herpetic neuralgia in older adults in Switzerland. *Human Vaccines* 2011;7:749-756

Tars, K; Svetlana, L; G; Bauer, M Beerli,; Bachmann R, Maurer M F; Maurer, P. Different binding modes of free and carrier-protein-coupled nicotine in a human monoclonal antibody. *Journal of Molecular Biology* 2012;415:118-127

Theiler, M; Weibel, L. Nagelveränderungen im Kindesalter – harmlos oder doch nicht? *Dermatologie Praxis* 2012;3:14-17

Tresch, S; Cozzio, A; Kamarashev, J; Harr, T; Schmid-Grendelmeier, P; French, L E; Feldmeyer, L. T cell-mediated acute localized exanthematous pustulosis caused by finasteride. *Journal of Allergy and Clinical Immunology* 2012;129:589-594

Urosevic-Maiwald, M; Harr, T; French, L E; Dummer, R. Stevens-Johnson syndrome and toxic epidermal necrolysis overlap in a patient receiving cetuximab and radiotherapy for head and neck cancer. *International Journal of Dermatology* 2012;51:864-867

Uter, W; Aberer, W; Armario-Hita, J Carlos; Fernandez-Vozmediano, J M; Ayala, F; Balato, A; Bauer, A; Ballmer-Weber, B; Beliauskienė, A; Fortina,; Bircher, A; Brasch, Jochen; Chowdhury, M M U; Coenraads, P-J; Schuttelaar, M-L; Cooper, S; Czarnecka-Operacz, M; Zmudzinska, M; Elsner, P; English, J S C; Frosch, P J; Fuchs, T; García-Gavín, J; Fernández-Redondo, V; Gawkrödger, D J; Giménez-Arnau, A; Green, Cy M; Horne, H L; Johansen, J D; Jolanki, R; Pesonen, M; King, C M; Kręcisz, B; Chomiczewska, D; Kiec-Swierczynska, M; L, Mahler F; Mahler, V; Ormerod, A D; Peserico, A; Rantanen, T; Rustemeyer, T; Sánchez-Pérez, J; Sansom, J E; Silvestre, J F; Simon, D; Spiewak, R; Statham, B N; Stone, N; Wilkinson, M; Schurch, A. Current patch test results with the European baseline series and extensions to it from the 'European Surveillance System on Contact Allergy' network, 2007-2008. *Contact dermatitis* 2012;67:9-19

Vollenweider, D; Ebnetter, I; Mayer, D; Hafner, J; Steurer, J; Puhan, M A. Dealing with heterogeneous populations in randomized wound trials: Challenges and potential solutions. *Wound Repair and Regeneration* 2012;20:466-472

von Moos, R; Seifert, B; Simcock, M; Goldinger, S M; Gillissen, S; Ochsenbein, A; Michielin, O; Cathomas, R; Schläppi, M; Moch, H; Schraml, P H; Mihic-Probst, D; Mamot, C; Schönewolf, N; Dummer, R. First-line temozolomide combined with bevacizumab in metastatic melanoma: a multicentre phase II trial (SAKK 50/07). *Annals of Oncology* 2012;23:531-536

Weibel, L; Spinas, R. Images in clinical medicine. Aquagenic wrinkling of palms in cystic fibrosis. *The New England Journal of Medicine* 2012;366:e32

Whittaker, S; Ortiz, P; Dummer, R; Ranki, A; Hasan, B; Meulemans, B; Gellrich, S; Knobler, R; Stadler, R; Karasch, M. Efficacy and safety of bexarotene combined

with psoralen-ultraviolet A (PUVA) compared with PUVA treatment alone in stage IB-IIA mycosis fungoides: final results from the EORTC Cutaneous Lymphoma Task Force phase III randomized clinical trial (NCT00056056). *British Journal of Dermatology* 2012;167:678-687

Widmer, D S; Cheng, P F; Eichhoff, O M; Benedetta, C B; Zipser, M C; Schlegel, N C; Javelaud, D; Mauviel, A; Dummer, R; Hoek, K S. Systematic classification of melanoma cells by phenotype-specific gene expression mapping. *Pigment Cell & Melanoma Research* 2012;25:343-353

Zimmer, L; Hillen, U; Livingstone, E; Lacouture, M E; Busam, K; Carvajal, R D; Egberts, F; Hauschild, A; Kashani-Sabet, M; Goldinger, S M; Dummer, R; Long, G V; McArthur, G; Scherag, A; Sucker, A; Schadendorf, D. Atypical Melanocytic Proliferations and New Primary Melanomas in Patients With Advanced Melanoma Undergoing Selective BRAF Inhibition. *Journal of Clinical Oncology* 2012;30:2375-2383

#### Reviews, editorials & commentaries (reviewed)

Ballmer Weber, B. Allergisch sein. Wenns kratzt, beisst und juckt. *Vista* 2012;3:4-7

Ballmer-Weber, B. Heuschnupfen im Frühling – Haselnussallergie im Winter: Nahrungsmittelallergien vom Schulkind bis zum Erwachsenen. *Therapeutische Umschau* 2012;69:225-229

Ballmer-Weber, B K. Allergien auf Inhalation und Ingestion. *Therapeutische Umschau* 2012;69:217

Ballmer-Weber, B K. Hände sind besonders empfindlich. *Mediaplanet* 2012;2:8

Bogdan Allemann, I; Hafner, J. Dermabrasion. Hrsg: Nouri, K. In *Dermatologic Surgery – Step by Step* 2012;207-211

Bousquet, J; Anto, J M; Demoly, P; Schünemann, H J; Togias, A; Akdis, M; Auffray, C; Bachert, C; Bieber, T; Bousquet, P J; Carlsen, K H; Casale, T B; Cruz, A A; Keil, T; Lodrup Carlsen, K C; Mauerer, M; Ohta, K; Papadopoulos, N G; Rodriguez, M R; Samolinski, B; et al. Severe Chronic Allergic (and Related) Diseases: A Uniform Approach - A MeDALL - GA2LEN - ARIA Position Paper. *International Archives of Allergy and Immunology* 2012;158:216-231

Boyman, O; Krieg, C; Homann, D; Sprent, J. Homeostatic maintenance of T cells and natural killer cells. *Cellular and Molecular Life* 2012;69:1597-1608

Boyman, O; Sprent, J. The role of interleukin-2 during homeostasis and activation of the immune system. *Nature Reviews. Immunology* 2012;12:180-190

Burg, G; French, L E. Gutenberg war gestern: Ein Beitrag zur Ausbildung in der Medizin gestern, heute und morgen. *Der Hautarzt* 2012;63 Suppl:38-44

Cavelti-Weder, C; Muggli, B; Keller, C; Babians-Brunner, A; BIASON-Laubert, A; Donath, M Y; Schmid-Grendelmeier, P. Successful use of Omalizumab in an inadequately controlled type 2 diabetic Patient with severe Insulin Allergy. *Diabetes Care* 2012;35:41

Dummer, R; Rinderknecht, J; Goldinger, S M. Ultraviolet A and photosensitivity during vemurafenib therapy. *New England Journal of Medicine* 2012;366:480-481

Dummer, R; Tsao, H; Robert, C. How cutaneous eruptions help to understand the mode of action of kinase inhibitors. *British Journal of Dermatology* 2012;167:965-967

Dummer, R; Fy, Keith T. Resistance patterns with tyrosine kinase inhibitors in melanoma: new insights. *Current Opinion in Oncology* 2012;24:150-154

Gavrilova, M; Martin-Gorgojo, A; Ruiz-Domenech, C; Alonso-Salvador, M-D; Gomez-Mateo, Maria del Carmen; Jorda-Cuevas, Esperanza. Unilateral facial ulceration. *Archives of Dermatology* 2012;148:641-646

Goldinger, S M; Romano, E; Michielin, O; Dummer, R. Management und Beurteilung des Ansprechens von Ipilimumab bei Patienten mit Melanom. *Swiss Medical Forum = Schweizerisches Medizin-Forum* 2012;12:851-855

Hafner, J. Calciphylaxie: Eine grauenhafte Hauterkrankung. *Dermatologie Praxis* 2012;6:2-4

Hafner, J. Leserbrief zu Al Ghazal P et al. „Untersuchung neuer Kofaktoren bei 49 Patienten mit Pyoderma gangraenosum“ aus *J Dtsch Dermatol Ges* 2012; 10: 251-257. *JDDG – Journal der Deutschen Dermatologischen Gesellschaft* 2012;10:590-591

Jaimes, N; Zalaudek, I; Braun, R P; Tan, B H; Busam, K J; Marghoob, A. Pearls of keratinizing tumors. *Archives of Dermatology* 2012;148:976

Kazakov, D V; Kacerovska, D; Hantschke, M; Zelge B; Kutzner, H; Requena,; Grayson, W; Bisceglia,; Schaller, J; Kempf, W; Denisjuk, N; Michal, M. Cutaneous mixed tumor, eccrine variant: a clinicopathologic and immunohistochemical study of 50 cases, with emphasis on

unusual histopathologic features. American Journal of Dermatopathology 2011;33:557-568

Keller-Preisig, C; Signer, M; Lauchli, S. Wundreinigung und Debridement. Wundmanagement 2012;3:36-39

Luchsinger, I; Kerl, K; Kamarachev, J; Lauchli, S; Hafner, J. Livedovaskulopathie. Dermatologie Praxis 2012;3:4-6

Lauchli, S. Die Swiss Association for Woundcare (SAFW). Wundmanagement 2012;3:3

Lauchli, S. Giess kein Ol in Wunden... Warum nicht doch? Der Informierte @rzt 2012;1:46-47

Lauchli, S; Hafner, J. 13th Symposium on Modern Wound Therapy. EWMA Journal 2012;12:68-69

Lauchli, S; Signer, M; Keller-Preisig, C. Wundrand und Wundumgebung. Wundmanagement 2012;3:68-70

Lauchli, S. Chirurgische Techniken zum Narben vermeiden und behandeln. Dermatologie Praxis 2012;2:4-6

Papadopoulos, N G; Agache, I; Bavbek, S; Bilo, B M; Braido, F; Cardona, V; Custovic, A; Demonchy, J; Demoly, P; Eigenmann, P; Gayraud, J; Grattan, C; Heffler, E; Hellings, P W; Jutel, M; Knol, E; Lotval, J; Muraro, A; Poulsen, L K; Roberts, G; Schmid-Grendelmeier, P; Skevaki, C; Triggiani, M; Vanree, R; Werfel, T; Flood, B; Palkonen, S; Savli, R; Allegri, P; Annesi-Maesano, I; Annunziato, F; Antolin-Amerigo, D; Apfelbacher, C; Blanca, M; Bogacka, E; Bonadonna, P; Bonini, M; Boyman, O; Brockow, K; Burnes, P; Buters, J; Butiene, I; Calderon, M; Cardell, L O; Caubet, J-C; Celenk, S; Cichocka-Jarosz, E; Cingi, C; Couto, M; Dejong, N; Del Giacco, S; Douladiris, N; Fassio, F; Fauquert, J-L; Fernandez, J; Rivas, M Fernandez; Ferrer, Fernandez Marta; Gardner, Gardner, Genuneit J,; Gevaert, P; Groblewska, A; Hamelmann, E; Hoffmann, H J; Hoffmann-Sommergruber, K; Hovhannisyann, L; Hox J; Omer F L; K; Kalpaklioglu, A F; Kleine-Tebbe, J; Konstantinou, G; Kurowski, M; Lau, S; Lauener, R; Lauerman, A; Logan, K; Magnan, A; Makowska, J; Makrinioti, H; Mangina, P; Manole, F; Mari, A; Mazon, A; Mills, C; Mingomataj, E C; Niggemann, B; Nilsson, G Ollert, M; O'Mahony, L; O'Neil, Se; Pala, G; Papi, A; Passalacqua, G; Perkin, M; Pfaar, O; Pitsios, C; Quirce, Santiago; R, Raulf-Heimsoth U.; Rhyner M; Robson-Ansley C; Alves, Rodrigo Rodrigues; R, Zeljka; Rondon, C; Rudzeviciene, O; Rueff, F; Rukhadze, M; Rumi, G; Sackesen, Cansin; S,

Santucci, A Scharf, C; Schmidt-Weber, C; Schnyder, B; Schwarze, J; Senna, G; Sergejeva, S; Seys, S; Siracusa, A; Skypala, I; Sokolowska, M; Spertini, F; Spiewak, R; Sprickelman, A; Sturm, Gr; Swoboda, I; Terreehorst, I; Toskala, E; Traidl-Hoffmann, C; Venter, C; Vlieg-Boerstra, B; Whitacker, P; Worm, M; Xepapadaki, P; A,; Czerny. A. Research needs in allergy: an EAACI position paper, in collaboration with EFA. Clinical and Translational Allergy 2012;2:21

Rebeaud, F; Bachmann, M F. Immunization strategies for Clostridium difficile infections. Expert Review of Vaccines 2012;11:469-479

Reese, I; Ballmer-Weber, B; Beyer, K; Erdmann, S; Fuchs, T; Kleinetebe, J; Klimek, L; Lepp, U; Henzgen, M; Niggemann, B; Saloga, J; Schafer, C; Werfel, T; Zuberbier, T; Worm, M. Vorgehen bei Verdacht auf Unvertraglichkeit gegenuber oral aufgenommenem Histamin. Allergo Journal 2012;21:22-28

Schmid-Grendelmeier, P. Dermatosen bei dunkelhautigen Kindern. MedInfo 2012:12-13

Schmid-Grendelmeier, P. Einleitung. Der Schweizer Allergie-Ratgeber 2012.

Hrsg: Schmid-Grendelmeier, P. In Der Schweizer Allergie-Ratgeber 2012:1-2

Schmid-Grendelmeier, P. Pollenallergien und Immuntherapie. Therapeutische Umschau 2012;69:239-248

Signer, M; Keller-Preisig, C; Lauchli, S. Wundauflagen. Wundmanagement 2012;3:40-44

Weibel, L. Lokalisierte Sklerodermie (Morphea) im Kindesalter. Der Hautarzt 2012;63:89-96

Weibel, L; Theiler, M; Feldmeyer, L. Hauterkrankungen des Suglings. Padiatrie up2date 2012;38:163-185

**Reviews, editorials & commentaries (not reviewed)**

Hafner, J; French, L E; Burg, G; Schnyder, U W. Für Herrn Prof. Dr. Dr. h.c. mult. Otto Braun-Falco: Geburtstagswünsche und Danksagung der Schweizerischen Gesellschaft für Dermatologie und Venerologie (SGDV). *Der Hautarzt* 2012;63 Suppl;17

Kempf, W; Rozati, S; Kerl, K; French, L E; Dummer, R. Cutaneous peripheral T-cell lymphomas, unspecified / NOS and rare subtypes: a heterogeneous group of challenging cutaneous lymphomas. *Giornale Italiano di Dermatologia e Venereologia* 2012;147:553-562

Schmid-Grendelmeier, P. Infektionen aus den Tropen: subkutane Mykosen. *Haut* 2012;5:187-190

Schraml, P; von Teichmann, A; Mihic-Probst, D; Simcock, M; Ochsenbein, A; Dummer, R; Michielin, O; Seifert, B; Schläppi, M; Moch, H; von Moos, R. Predictive value of the MGMT promoter methylation status in metastatic melanoma patients receiving first-line temozolomide plus bevacizumab in the trial SAKK 50/07. *Oncology Reports* 2012;28:654-658

University Hospital Zurich  
Department of Dermatology  
Gloriastrasse 31  
8091 Zurich

[www.dermatologie.unispital.ch](http://www.dermatologie.unispital.ch)  
[info@unispital.ch](mailto:info@unispital.ch)



**UniversitätsSpital  
Zürich**

