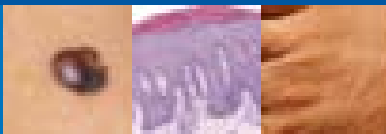




**University Hospital
Zurich**

Biennial Report 2009 – 2010

Department of Dermatology, Zurich University Hospital



Universität Zürich

Biennial Report 2009 and 2010

1. Assignment of the Department of Dermatology Zurich University Hospital
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Biennial Report 2009 and 2010

Foreword

I am pleased, 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 2009 and 2010. Writing this report provided me with an occasion to stop, breathe deeply, and take the time to look back and review the accomplishments of our department, faculty and staff over the past 2 years.

Our department is devoted to providing sustained leadership in patient care, research and education in the fields of dermatology, venerology and allergology, with a priority academic focus in dermato-oncology, immuno-dermatology and allergology.

After the years 2007–2008 that were marked by significant reorganisation and change following my nomination to chair the Department in 2006, these years were – despite an increasingly challenging environment – years in which the benefits of our prior efforts in reorganizing the Department became visible. Besides our clearly defined organisational structure, the implementation of a participative management culture, the creation of well defined clinical units under the responsibility of distinct senior faculty members and great efforts to establish a trustful environment with a constructive error culture, we have continued raising our already high academic standing and the range of specialized medical services we offer to our patients.

Two new clinics were launched during 2009 and 2010, notably the pediatric dermatology clinic and the aesthetic dermatology and laser clinic. The pediatric dermatology clinic under the direction of Dr. Lisa Weibel and PD Dr. Antonio Cozzio is the fruit of a close collaboration with the childrens hospital of the University of Zurich, and benefits from the new expertise of Dr. Weibel who is an expert with a unique level of training and board certification in both dermatology and pediatrics. This clinic and its level of specialized expertise in pediatric dermatology is

unique in Switzerland and contributes to our aim of being a center of excellence offering patients the highest level of care in dermatology and its subspecialities. In 2009, responding to the need for academic-quality post-graduate dermatology training in aesthetic dermatology and lasers, a new aesthetic dermatology and laser clinic was launched directed by Dr. Inja Bogdan-Alleman, a board-certified dermatologist of ours who specifically trained in this field at the Cosmetic Dermatology Center of the University of Miami. The clinic has enjoyed a successful start.

To improve patient service and the quality of care, we have partially renovated and modernized our outpatient clinic (Polyclinic) which receives 320 referred ambulatory patients per day, and installed two new “state of the art” machines for skin-directed radiotherapy, devices that we are increasingly using in face of the increasing incidence of skin cancer.

Academic activities are of highest priority in our department. As you will see when scrolling through this biennial report, after rising from 190 to 355 between 2006 and 2008, our cumulative impact factor has again increased to 487 and 469 in the years 2009 and 2010, thus positioning our academic team and department within the leading dermatology departments worldwide. Our strong internationally renowned group of clinicians, clinician-scientists and scientists has been strengthened by the recruitment to the department of Prof. Onur Boyman as recipient of a Swiss national Science Foundation Professorship, and Dr. Hans-Dietmar Beer and his group from the ETH in Zurich. With these two groups our capacity to innovate in immunodermatology will certainly be enhanced.

With yearly over 80'000 mostly referred patient consultations, 1100 inpatients with severe skin disease, 250 medical students and the largest residency-program in Switzerland with 24 dermatology residents in training, a well trained staff of senior physicians covering the breadth of our speciality is an advantage. During the period of this report, Prof. Dr. Werner Kempf, Prof. Dr. Barbara Ballmer-Weber, and Prof. Dr. Ralph Braun were promoted to the position of Titular Professors by the University. We congratulate them warmly. Furthermore, PD Dr. Günther Hofbauer and PD Dr. Antonio Cozzio were promoted to the function of “Leitender Arzt” and PD Dr. Cozzio has been nominated director of our outpatient clinics (Polyclinic) following the departure of Prof. R. Trüeb into private practice. Additionally,



Dr. Inja Bogdan and Dr. Thomas Harr were promoted to the function of "Oberarzt". Finally I am also proud to announce that a total of 18 of our senior residents achieved board certification in 2009–2010.

In the past 2 years, our Department and several of its collaborators have been distinguished internationally and deserve our recognition too:

- Our dermatopathology unit which having grown from processing 15'000 patient biopsies in 2006 to over 24'000 (+50%) despite stable personnel resources, has been officially recognized as a dermatopathology training center by the International Committee for Dermatopathology (ICDP) and the European Union of Medical Specialists (UEMS).
- Our interactive internet-based pregraduate dermatology learning program DOIT (Dermatology Online with interactive teaching, www.swissdom.org) was selected as winner among 20 Finalists in Berlin of the renown 50'000 Euro dotated "mediendidaktische Hochschulpreis" named "Medida-Prize" for innovative and sustainable implementation of digital media in university teaching.
- Prof. Jürg Hafner received for his clinical research publication entitled "Martorell hypertensive ischemic leg ulcer – a model of ischemic subcutaneous arteriosclerosis" the 2010 Peregrini-Prize of the Austrian Society of Phlebology and Surgery.
- Dr. Maria Karpova from the group of Professor Dummer received the 2010 posterprize of the European Society for Dermatological Research for her work on "Transcriptional adaptation caused by vorinostat/bexarotene combination therapy in advanced cutaneous T-cell lymphoma".
- Dr. Piotr Dziunycz from the group of PD Dr. Hofbauer won the 2010 New Investigator Award of the European Skin Research Foundation (ESRF).
- Dr. Benedetta Belloni from the group of Prof. Dummer won the 2010 MSD Oncology Fellowship.

I thank you for taking the time to review this report, which documents 2 years of wonderful contributions achieved by the faculty and staff of the Department of Dermatology of the University of Zurich. In the name of my staff, without which this Department would not be where it is, I send you my best regards and look forward to reporting to you again in 2 years.

Yours sincerely

Prof. Lars E. French
Chairman



1. Assignment of the Department of Dermatology Zurich University Hospital

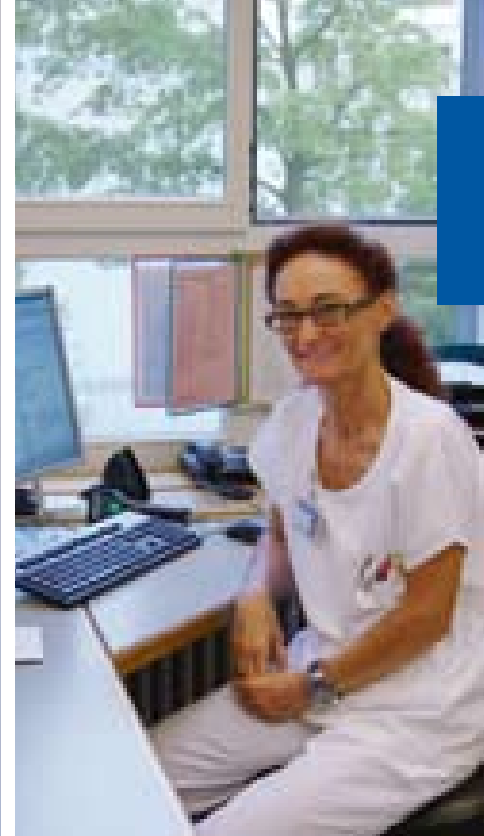
The Department of Dermatology of the Zurich University Hospital is devoted to provide sustained leadership in research, patient care and education in the fields of dermatology, venerology and allergology.

Our nationally and internationally recognized Department includes centers of excellence for skin cancer, inflammatory and allergic skin diseases and dermatological surgery. With a team of 37 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).



Direction of the Department – “Klinikleitung”



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.

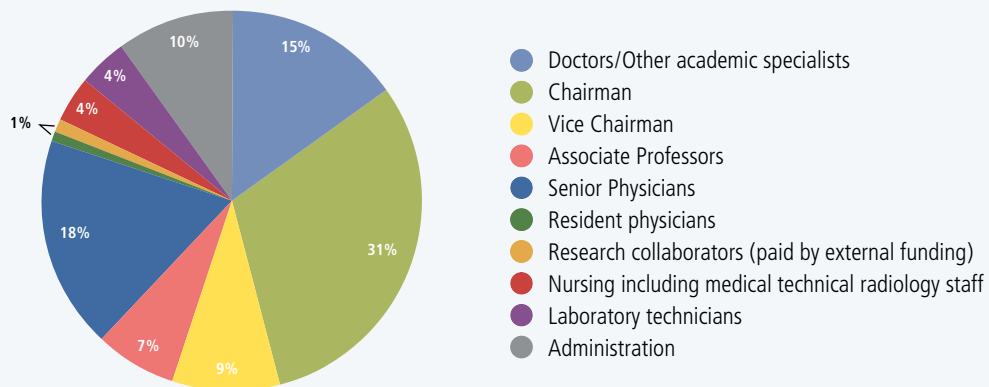
By fulfilling this mission we aim to position our department among the leading Dermatology Departments in Europe.

3. Team

The department of Dermatology has a staff of 160 people including medical doctors, nursing staff, medical technical staff, laboratory staff, administrative staff and 45 research collaborators.

Routinely, our Department hosts fellows and guests from abroad within its clinical and research activities.

Staffing levels in 2009/2010 according to occupation



Medical staff



Nursing staff



Team of secretaries/personal assistants

DEPARTMENT OF DERMATOLOGY USZ



UniversitätsSpital
Zürich

DIRECTION OF THE DEPARTMENT
«KLINIKLEITUNG»
DEPARTMENT OF DERMATOLOGY

Chairman



Prof. Dr. med.
Lars E. French

Vice-Chair

Dermatooncology / Clinical Research /
Physical Therapies



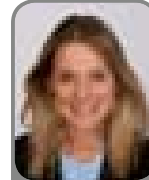
Prof. Dr. med.
Reinhard Dummer

Director of Nursing



Tina Plötz

Clinical Manager



Catherine Frey-Blanc

“Leitende Ärzte/innen”



“Oberärzte/innen”



FACULTY
DEPARTMENT OF DERMATOLOGY

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 hospitals.

As the largest academic dermatology center in Switzerland, the Department of Dermatology at the University of Zurich offers an 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. These patients might prefer to stay in the hospital. In addition, our department is able to administer complex chemotherapeutic regimens or intravenous immunotherapy including antibodies and fusion molecules. These complex treatment approaches necessitate hospitalisation.

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 visitors from other parts of Switzerland or abroad.

Our skin cancer 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, PD Dr. G. Hofbauer and PD Dr. A. Cozzio), 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

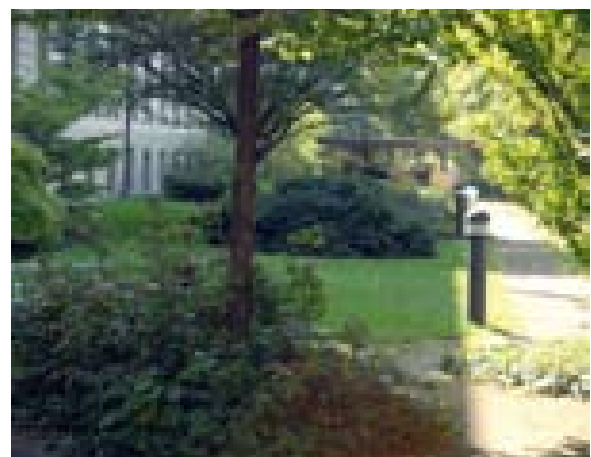
clinics of our skin cancer center, patients have access to the best standards of diagnosis and care, a multidisciplinary approach with tumor boards where required, and a broad variety of treatments including: surgical interventions, physical treatment with special light sources or radiotherapy, photopheresis, topical immunomodulatory treatments, targeted cancer therapies and chemotherapy.

Patients with several cancers, 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.

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.

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 two photopheresis units in the day care clinic.



Surgery Unit

Our surgical unit and its experienced team of dermatological surgeons (Dr. med. S. Lauchli 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 micrographic 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.

In-patient D01, D2 & E2

(36 beds; of which 10 function as "Wochenklinik" – Monday–Friday). In our in-patient setting patients with severe inflammatory skin diseases (generalized eczema, psoriasis, autoimmune disorders), severe infectious skin disease, complex chronic wounds especially after a surgical intervention and skin cancer patients are provided with intensive work-up and in-patient care.

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.

Physical treatment unit – including radiotherapy, phototherapy & laser unit

This unit lead by Prof. R. Dummer and PD 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.

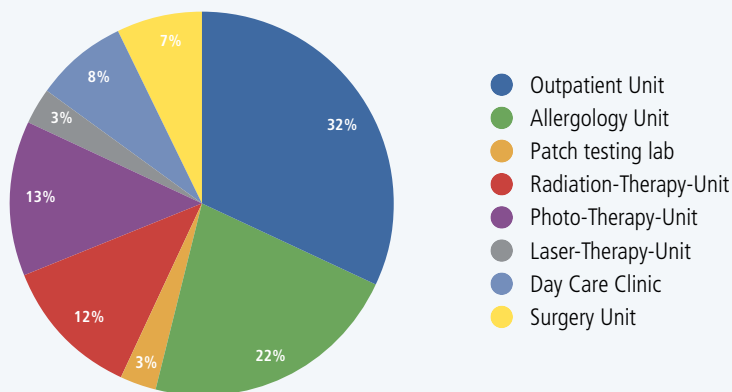
Day care clinic and weekday in-patient clinic

Our day care clinic under the direction of PD 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, the latter



Team MTRA "Superficial Radiotherapy"

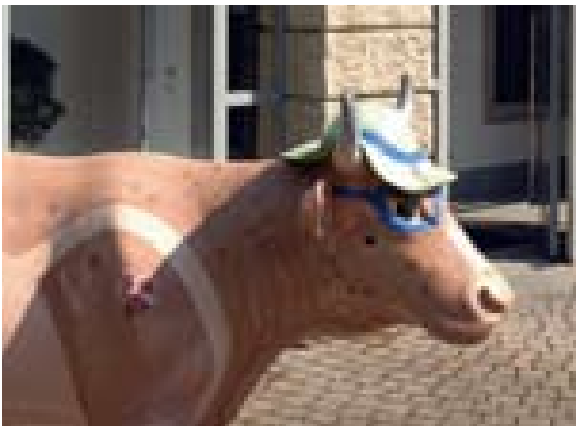
Consultations out patient-setting 2010: 99'000



systemic therapies 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.

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) solutions are found for the management of the most severe forms of skin disease including complex autoimmune skin disease, skin cancer, 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 in Switzerland and regularly appraised by patients.

Nursing

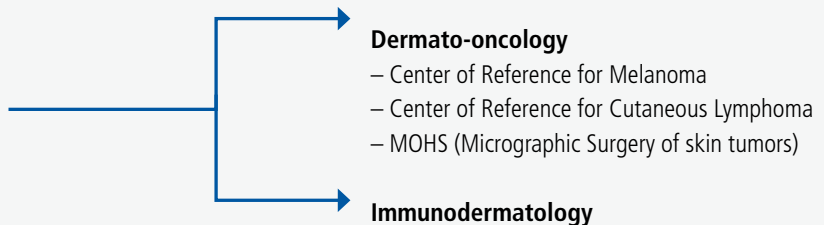
The uniqueness of nursing in dermatology is characterised by the high demands placed on the manual dexterity of the staff and by the requirement to look after patients holistically. This was taken into account especially in the clinic's emphasis on dermato-oncology. Here, regular case reviews were established with all persons involved in the treatment process with the objective of providing the patient and his or her environment with the best holistic care possible. Likewise, a pain concept for treatment in palliative care situations was established with the pain services of the Department of Anaesthesia at the USZ.

In 2009/2010, average bed occupancy was high, i.e. 87%. An important step into the future was the change over to a completely electronic, paper-free, patient file, in which information is now directly available electronically to all persons involved in the treatment process at their respective workstation at any time. As a result, we were able to achieve an increase in efficiency and also quality improvement in the nursing and treatment process.

The dissemination of and training in dermatological care is a matter of special concern. In this context, experienced hospital staff members play a part in shaping the dermatology lectures in the bachelor's degree programme at the Winterthur Polytechnic. An advanced training day on the subject of skin disorders and related key aspects of nursing care takes place once a year for

Dermatopathology

Essential for quality the main focus of our clinical activities



Statistics: Number of biopsies per year since 2006

	2006	2007	Δ 2006 %	2008	Δ 2007%	2009	Δ 2008 %	2010	Δ 2009 %
Biopsies	14'578	16'979	+ 16 %	20'042	+ 19.6 %	23'199	+ 15 %	25'553	+ 10%

nursing staff working in the other disciplines. It was a particular pleasure for us to host the annual symposium of the Swiss Dermatological Nursing Group in 2010: Colleagues from home and abroad travelled to Zurich to swap ideas and catch up on current and also future topics of dermatological care.

Dermatopathology

- First certified Skin Cancer Center of Switzerland
- Center of Reference for Melanoma
- Center of Reference for Cutaneous Lymphoma
- MOHS (Micrographic Surgery of skin tumors)

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 (Drs J Kamarachev & K Kerl) and a resident in dermatopathology provide expert dermatopathological diagnoses in over 24'000 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/venereology 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 Financial Figures

	2010
Revenues (medical services)	28.5 Mio CHF (previous year 26.7 Mio CHF)
Consultations out-patient setting	99'000
Patient entries in in-patient setting	1'290 (therof 31% privately insured patients)
Duration of stay	7.8 days (Floor D) and 5.2 (Floor E)
Occupation of inpatient beds (percent)	87%
Employees (full-time equivalents) (therof 26 financed by third party funds)	139



Team Dermatopathology

5. 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, 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 Venereology 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). Accordingly, our allergy unit organizes “teaching evenings” for parents of children suffering from atopic eczema (neurodermitis) together with AHA (the Swiss patient organisation for atopic diseases).

6. 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.

- **The Bruno Bloch Stiftung** – founded in 1935 by the widow of Prof. Bruno Bloch, Chairman of the Zurich Dermatology Department between 1916 and 1933; supports skin research and education activities specifically in relation to the department of dermatology of the university of Zurich, including research on severe skin diseases such as inflammatory skin disease and skin cancer.
- **The 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 several chairmen of Departments of Dermatology in Switzerland; 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.



7. 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 2009 and 2010 (487 and 469) – 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:

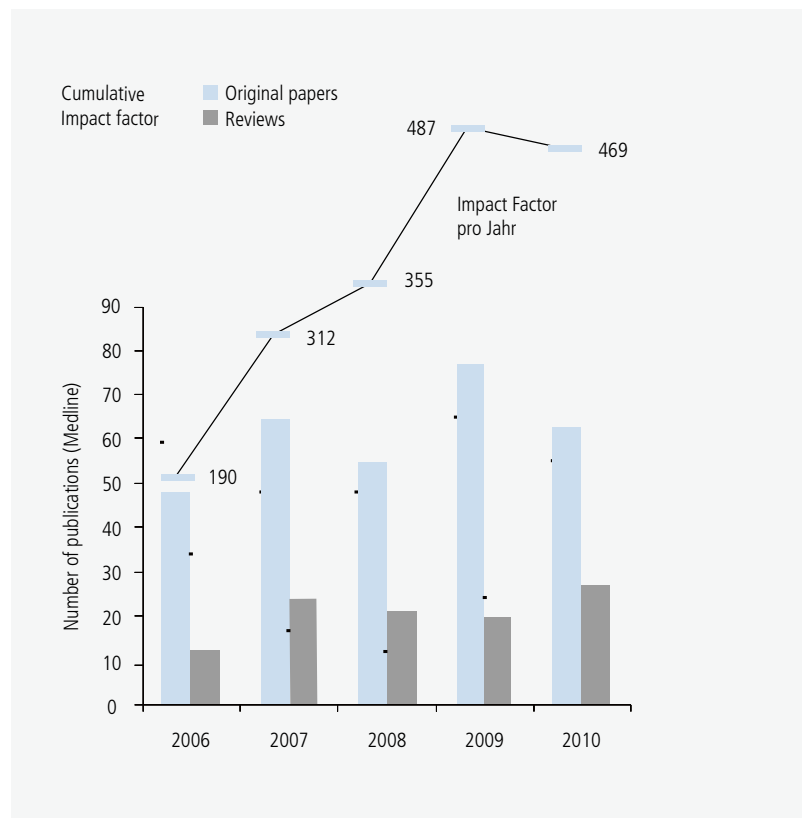
- dermatology, where we concentrate on the pathogenesis, early diagnosis and molecular targeted treatment of skin cancer, particularly in melanoma, cutaneous lymphoma, and non-melanoma skin cancers.
- immunodermatology, especially innate immunity and T-cell biology in inflammatory skin diseases, notably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

Key Figures and Highlights

- Currently 50 ongoing clinical trials of new therapeutic approaches in skin disease – corresponding to around 20% of all studies performed at the USZ.
- More than 60 original and more than 20 review articles published in peer-reviewed journals in 2009 as well as 2010
- Several high impact publications in the interdisciplinary journals.
- Cicardi M et al., Icatibant, a new bradykinin-receptor antagonist, in hereditary angioedema. *New England Journal of Medicine* 2010.
- Johannessen CM et al., COT drives resistance to RAF inhibition through MAP kinase pathway reactivation. *Nature* 2010.
- Wu X et al., Opposing roles for calcineurin and ATF3 in squamous skin cancer. *Nature Medicine* 2010.
- Krieg C et al., Improved IL-2 immunotherapy by selective stimulation of IL-2 receptors on lymphocytes and endothelial cells. *Proceedings of the National Academy of Sciences USA* 2010.
- New intellectual property: in the last five years 4 patent applications have been submitted/registered.
- Promotion of academic renewal: 3 young clinician-scientists from our Department are currently performing fellowships in leading academic centers in the United States.

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 of 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.



Research Groups



Group Members Prof. Dr. med. Barbara Ballmer-Weber (group leader)

Dr. med. Andreas Moser
Dr. med. Peter Bures
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 characterization of important cross-reactive allergens, and the development of diagnostic and therapeutic methods based on recombinant allergens. 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.

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Group Members Ph. Dr. Hans-Dietmar Beer (group leader)

Anna Rommel, Masters student,
Gabriel Sollberger, Ph. D. student,
Gerhard Strittmatter, Ph. D. student

Main Fields of Research

We are interested in the molecular mechanisms underlying skin inflammation upon UVB irradiation and virus infection. In particular, we are analyzing the function of a recently discovered innate immune complex called inflammasome in keratinocytes. Our research aims to unravel the function of this complex in skin inflammation, apoptosis, unconventional protein secretion and its contribution to cancer development and inflammatory skin diseases.

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Keller M, Rüegg A, Werner S, Beer HD Active caspase-1 is a regulator of unconventional protein secretion. *Cell* 2008, 132, 818-831
Keller M, Sollberger G, Beer HD Thalidomide inhibits activation of caspase-1. *J. Immunol.* 2009, 183, 5593-9
Feldmeyer L, Werner S, French LE, Beer HD Interleukin-1, inflammasomes and the skin. *Eur. J. Cell Biol.* 2010, 89, 638-44





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

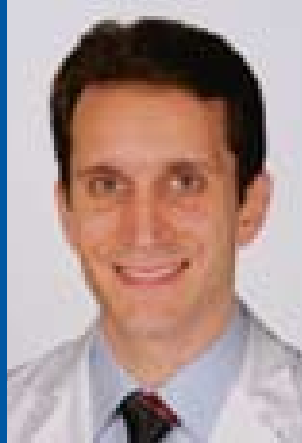
Dr. med. Martin Glatz
 Damaris Fröhlich, cand med.
 Nada Juricevic

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).

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 Petti A.C., Bosshard PP, Brandt M.E., Clarridge J.E., Feldblyum T.V., Foxall P, Furtado M.R., Pace N., Procop G. (2008) Interpretive criteria for identification of bacteria and fungi by DNA target sequencing; Approved guideline. CLSI document MM18-A, Clinical and Laboratory Standards Institute, Pennsylvania.
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 Ciardo DE., Schär G., Böttger E.C., Altwegg M., Bosshard PP (2006) Internal transcribed spacer sequencing versus biochemical profiling for identification of medically important yeasts. *J. Clin. Microbiol.* 44(1):77-84.



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

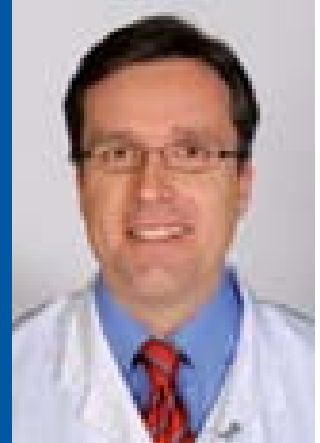
Dr. Carsten Krieg, Ph. D.
 Dr. Alexander A Navarini, MD Ph. D.
 Dr. Grégory Bouchaud, Ph. D.
 Noemi Bertel, MD student
 Miro Räber, MD student
 Emine Atac, visiting MD student

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 and type 1 diabetes. One of our research focuses deals with the modification of cytokines for improved immunotherapy.

Selected References

Boyman O, Kovar M, Rubinstein MP, Surh CD, Sprent J. Selective stimulation of T cell subsets with antibody-cytokine immune complexes. *Science* 2006;311:1924-1927.
 Letourneau S, Krieg C, Pantaleo G, Boyman O. IL-2- and CD25-dependent immunoregulatory mechanisms in the homeostasis of T-cell subsets. *J Allergy Clin Immunol* 2009;123:758-762.
 Letourneau S, van Leeuwen EM, Krieg C, Martin C, Pantaleo G, Sprent J, Surh CD, Boyman O. IL-2/anti-IL-2 antibody complexes show strong biological activity by avoiding interaction with IL-2 receptor alpha subunit CD25. *Proc Natl Acad Sci U S A* 2010;107:2171-2176.
 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 USA* 2010; 107:11906-11911.



Group Members
Prof. Dr. med. Ralph Braun
(group leader)

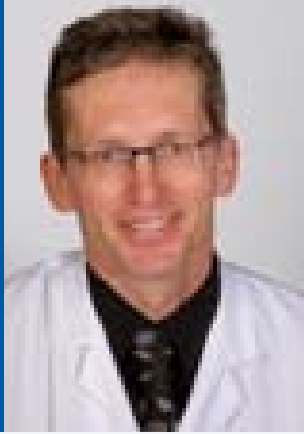
Main Fields of Research

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 a unique opportunity because if diagnosed early enough skin cancer can be cured.

Selected References

Braun, R.P, et al., Diagnosis and management of nail pigmentations. *J Am Acad Dermatol*, 2007. 56(5): P 835-47.
 Braun, R.P, et al., The significance of multiple blue-grey dots (granularity) for the dermoscopic diagnosis of melanoma. *Br J Dermatol*, 2007. 157(5): P 907-13.
 Braun, R.P, et al., Histopathologic correlation in dermoscopy: a micropunch technique. *Arch Dermatol*, 2003. 139(3):P 349-51.





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

Marie-Therese Abdou, Biome-dical Analyst
 Benedetta Belloni, MD
 Séverine Buffoni, Study Coordinator
 Phil Cheng, Ph. D. Student
 Gisler Sandra, MD
 Simone Goldinger, MD
 Keith Hoek, Postdoc
 Sangita Hofer, Study Nurse
 Ines Kleiber-Schaaf, Technician
 Maria Karpova, Postdoc
 Nikita Kobert, Technician
 Elisabeth Laine, Technician
 Mirjana Maiwald, MD
 Karen Meyer- Study Nurse
 Jeannine Rinderknecht, MD
 Sima Rozati, MD
 Mirka Schmid, Technician
 Nicola Schönewolf, MD
 Christian Turtshi, MD
 Daniel Widmer, Ph. D. Student

Main Fields of Research

We have intensively studied the immune and molecular biology of cutaneous lymphomas, cutaneous melanoma and epithelial skin cancers. Based on the microenvironment and genetic alterations of these tumors, we have established immune interventions and molecular targeted therapy in vitro, in vivo and in phase I-III clinical trials. Translational research applies this new knowledge to our patients in order to provide effective treatment with best quality of life.

Selected References

Zipser MC, Eichhoff OM, Widmer DS, Schlegel NC, Schoenewolf NL, Stuart D, Liu W, Gardner H, Smith PD, Nuciforo P, Dummer R, Hoek KS. A proliferative melanoma cell phenotype is responsive to RAF/MEK inhibition independent of BRAF mutation status. *Pigment Cell Melanoma Res* 2010 Dec 22 [Epub ahead of print]
 Johannessen CM, Boehm JS, Kim SY, Thomas SR, Wardwell L, Johnson LA, Emery CM, Stransky N, Cogdill AP, Barretina J, Caponigro G, Hieronymus H, Murray RR, Salehi-Ashtiani K, Hill DE, Vidal M, Zhao JJ, Yang X, Alkan O, Kim S, Harris JL, Wilson CJ, Myer VE, Finan PM, Root DE, Roberts TM, Golub T, Flaherty KT, Dummer R, Weber BL, Sellers WR, Schlegel R, Wargo JA, Hahn WC, Garraway LA. COT drives resistance to RAF inhibition through MAP kinase pathway reactivation. *Nature* 2010;468:968-72.
 Oberholzer PA, Karpova MB, Zipser MC, Lin WM, Girardi M, MacConaill LE, Kehoe SM, Mondal C, Garraway LA, Dummer R. High-throughput mutation profiling of CTCL samples reveals KRAS and NRAS mutations in advanced disease. *Blood* 2011 in press



Group Members
Prof. Dr. med. Lars E. French
 (group leader)

Dr. Emmanuel Contassot (PI, Ph. D.)
 Dr. Magdalena Kistowska, Ph. D.
 Dr. Dragana Jankovic, Ph. D.
 Dr. Laurence Feldmeyer, MD-Ph. D.
 Gehrke Samuel, Ph. D. student
 Huber Roman, Ph. D. student
 Marianne Spalinger, technician
 Maria-Jesus Pena-Rodriguez, technician

Main Fields of Research

Our group is focussed on understanding the role of death receptor-mediated apoptosis, as well as danger- and pathogen sensing via the IL-1-processing inflammasome platform in the pathogenesis of inflammatory skin diseases. Our current research projects include: 1) the study of the role of inflammasome in graft versus host disease; 2) the study of the role of the inflammasome and IL-1acné and acneiform eruptions; 3) the study of the mechanisms of apoptosis resistance in haematological malignancies; and 4) the study of the pathogenesis of severe adverse cutaneous drugs reactions.

Selected References

Watanabe H, Gehrke S, Contassot E, Roques S, Tschopp J, Friedmann PS, French LE, Gaide O. Danger Signaling through the Inflammasome Acts as a Master Switch between Tolerance and Sensitization. *J Immunol.* 180:5826, 2008
 Contassot E, Kerl K, Roques S, Shane R, Gaide O, Dupuis M, Rook AH, French LE. Resistance to FasL and TRAIL-mediated apoptosis in Sezary syndrome T-cells associated with impaired death receptor and cFLIP expression. *Blood* 111:4780, 2008.
 Watanabe H, Gaide O, Pétrilli V, Martinon F, Contassot E, Roques S, Kummer JA, Tschopp J, French LE. Activation of the IL-1beta-processing inflammasome is involved in contact hypersensitivity. *J Invest Dermatol.* 127:1956, 2007.
 Viard I, Wehrli P, Bullani R, Schneider P, Holler N, Salomon D, Hunziker T, Saurat JH, Tschopp J, French LE. Inhibition of toxic epidermal necrolysis by blockade of CD95 with human intravenous immunoglobulin. *Science.* 282:490, 1998.



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

Dr. med. Severin Lächli
 Dr. med. Dr. sc nat Laurence Feldmeyer
 Dr. med. Kirstin Sippel
 Dr. med. Stephan Nobbe
 Dr. med. Karin Schad
 Dr. med. Katrin Baumann

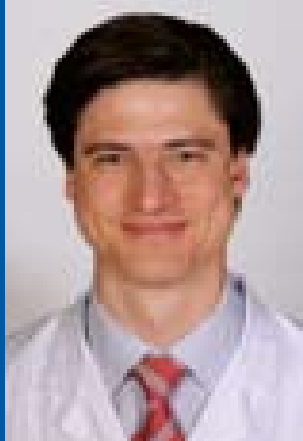
Main Fields of Research

Clinical research in dermatologic surgery, vascular medicine, and wound healing. We are involved in studies on surgical treatment of epithelial skin cancer, melanoma and cutaneous sarcomas. Further focuses concern hypertrophic scars and keloids, nail surgery and CO2 laser surgery. In the field of vascular medicine and wound healing, we conduct studies on diagnosis and treatment of chronic wounds, living skin equivalents and innovative wound treatment products.

Selected References

Hafner J, Nobbe S, Partsch H, Lächli S, Mayer D, Amann-Vesti B, Speich R, Schmid C, Burg G, French LE: Martorell hypertensive ischemic leg ulcer as model of ischemic subcutaneous arteriolosclerosis. *Arch Dermatol* 2010;146:961-968.
 Gilomen S, Ruef C, MD, Held L, Cathomas A, French LE, Hafner J : Successful control of methicillin-resistant staphylococcus aureus (MRSA) outbreak at a university department of dermatology. *J EADV* 2011: In press.
 Ortega-Zilic N, Hunziker T, Lächli S, Mayer DO, Huber C, Baumann Conzett K, Sippel K, French LE, Hafner J: EpiDex®*- Swiss Field Trial 2004 – 2008 (*Autologous epidermis equivalent from outer root sheath keratinocytes from plucked anagen hairs). *Dermatology* 2010: 365-372.





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

Dr. rer.nat. Guergana Iotzova
 Piotr Dzyunicz, med. pract.
 Nadia Djerbi, med. pract.

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

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.
 Kosmidis M, Dziunycz P, Suárez-Fariñas M, Mühleisen B, Schärer L, Läuchli S, Hafner J, French LE, Schmidt-Weber C, Carucci JA, Hofbauer GF. Immunosuppression affects CD4+ mRNA expression and induces Th2 dominance in the microenvironment of cutaneous squamous cell carcinoma in organ transplant recipients. *J Immunother*. 2010;33(5):538-46.
 Mühleisen B, Petrov I, Gächter T, Kurrer M, Schärer L, Dummer R, French LE, Hofbauer GF. *Histopathology*. 2009 Jul;55(1):67-76.



Group Members
PD Dr. med. Thomas Kündig
(group leader)

PD Dr. Pål Johansen
 PD Dr. med. Gabriela Senti
 PD Dr. Ying-Waeckerle-Men
 Dr. Nicole Graf
 Dr. Seraina von Moos
 Dr. Christine Tivig
 Dr. Fabian Tay
 Dr. Nicole Falk-Luchsinger
 Antonia Fettelschoss
 Deepa Mohanan

Main Fields of Research

We focus on immunotherapy and vaccination against chronic disease including inflammatory disorders, cancer and allergies. It is our goal to translate basic research into preclinical animal models and then to launch and perform a clinical development program. For this purpose we closely collaborate with the Center for Clinical Trials and the biopharmaceutical industry.

Selected References

G Senti et al. Epicutaneous allergen administration as a novel method of allergen-specific immunotherapy. *J Allergy Clin Immunol* 2009
 Martínez-Gómez JM et al. Targeting the MHC class II pathway of antigen presentation enhances immunogenicity and safety of allergen immunotherapy. *Allergy* 2009
 G Senti et al. Intralymphatic allergen administration renders specific immunotherapy faster and safer: a randomized controlled trial. *Proc Natl Acad Sci U S A*. 2008



Group Members
Dr. med. Dr. sc. nat. Alexander A. Navarini-Meury
(group leader)

Nikita Kobert (Part-time)
 Ines Kleiber-Schaaf (Part-time)

Main Fields of Research

Our research activities are focused on psoriasis and rosacea. We are investigating the role of antimicrobial peptides and induction of inflammation. Direct activation of neutrophil granulocytes, as well as plasmacytoid dendritic cell derived type I interferon are studied in vitro and in vivo using a xenotransplantation mouse model of psoriasis. In a close collaboration with the Boyman group, we are using cytokine-antibody complexes to study the role of T cell subsets in psoriasis.

Selected References

Navarini AA, Lang KS, Verschoor A, Recher M, Zinkernagel AS, Nizet V, Odermatt B, Hengartner H, Zinkernagel RM. Innate immune-induced depletion of bone marrow neutrophils aggravates systemic bacterial infections. *Proc Natl Acad Sci U S A*. 2009 Apr 28;106(17):7107-12.
 Navarini AA, Dziunycz P, Meller S, Gilliet M, Conrad C Antimicrobial peptide-induced type I interferon as inflammatory mechanism in rosacea. *SID* 2010 and *SGDV* 2010.





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

Dr. med. Meike Distler
Dr. med. Christina Weber
Suzanne Marti Wyss

Main Fields of Research

The main fields of our research are

- atopic eczema, where we focus on molecular and immunologic mechanisms especially due to molecular mimicry with microbes. Intensive collaboration with the Swiss Institute of Allergy Research (SIAF) Davos and other centres partly also in tropical areas, based on individual patients and large cohort data generated in SAPALDIA.
- Clinical features and new treatment modalities for mastocytosis and C1-Inhibitor deficiency
- The usefulness of molecular component-based allergy diagnosis in inhalant and insect sting allergy.

Selected References

Icatibant, a new bradykinin-receptor antagonist, in hereditary angioedema. Cicardi M et al. *N Engl J Med* 2010 Aug 5;363(6):532-4 IL-32 is expressed by human primary keratinocytes and modulates keratinocyte apoptosis in atopic dermatitis. Meyer N, Zimmermann M, Bürgler S, Bassin C, Woehrl S, Moritz K, Rhyner C, Indermitte P, Schmid-Grendelmeier P, Akdis M, Menz G, Akdis CA. *J Allergy Clin Immunol.* 2010 Apr;125(4): 858–865 Metalworking exposures and persistent skin symptoms in the ECRHS II and SAPALDIA 2 cohorts. Mirabelli MC, Zock JP, Bircher AJ, Jarvis D, Keidel D, Kromhout H, Norbäck D, Olivieri M, Plana E, Radon K, Schindler C, Schmid-Grendelmeier P *Contact Dermatitis.* 2009;60(5):256-63



Group Members
Dr. med. Lisa Weibel (group leader)

Dr. med. Barbara Heidecker
Dr. med. Brigitte Landolt
Dr. med. Clemens Schiestl
Prof. Dr. med. John Harper
Dr. med. Kevin Howell

Main Fields of Research

Our research activities are focused on epidemiologic aspects of pediatric dermatology in Switzerland; the study of vascular anomalies in children with a special interest in novel treatment strategies; clinical trials with biologics for the treatment of childhood psoriasis; and in collaboration with Prof. John Harper (Great Ormond Street Hospital for Children, London) on the study of pediatric localized scleroderma with a special interest in the pathogenesis and monitoring tools.

Selected References

Schiestl C, Neuhaus K, Zoller S, Subotic U, Forster I, Michels R, Balmer C, Weibel L. Efficacy and safety of propranolol as first-line treatment for infantile hemangiomas. *Eur J Ped* 2010. Howell KJ, Lavorato A, Visentin M, Smith RE, Jones CD, Schaefer G, Weibel L, Denton CP, Harper JI, Woo P Validation of a protocol for the assessment of skin temperature and blood flow in childhood localised scleroderma. *Skin Res Technol* 2009. Weibel L, Harper JI. Linear morphoea follows Blaschko's lines. *Br J Dermatol* 2008. Howell KJ, Lavorato A, Visentin M, Smith RE, Jones CD, Schaefer G, Weibel L, Denton CP, Harper JI, Woo P (2009) Validation of a protocol for the assessment of skin temperature and blood flow in childhood localised scleroderma. *Skin Res Technol*, 15:346-56 Schiestl C, Neuhaus K, Zoller S, Subotic U, Forster I, Michels R, Balmer C, Weibel L (2010) Efficacy and safety of propranolol as first-line treatment for infantile hemangiomas. *Eur J Ped*, October 9 (epub ahead of print).

8. 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, repetitory 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 un the University of Zürich. 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 taching 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 spezicized 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 dermatolical 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.

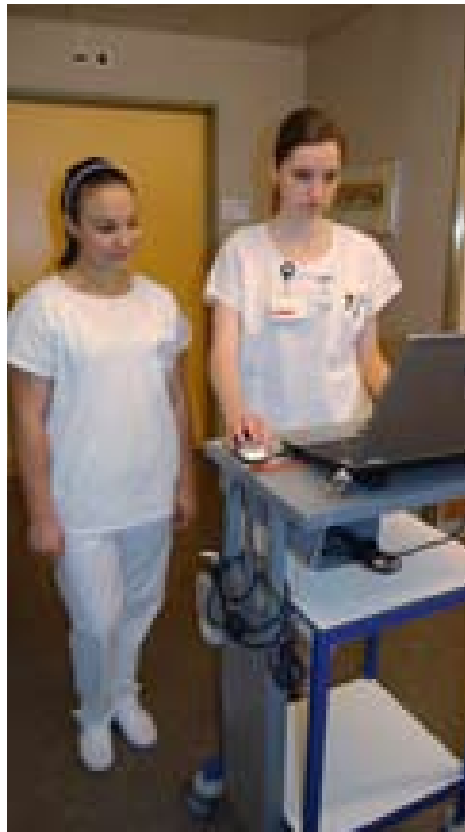
Continuing medical education (CME)/Postgraduate training for private practitioners

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).

Overview 2009 and 2010

Continuing medical education 2009

Subject/Title	Type of education	Date	Organisation
Epitheliale Differenzierung und epitheliale Tumoren	Irchel	February 26, 2009	Prof. R. Dummer
Neue Therapieformen für schwer zu behandelnde Dermatosen	Dermatologie aktuell IX	March 19, 2009	Prof. R. Trüeb, Prof. L. French
Hautveränderungen im Alter: Dermatologie oder Innere Medizin?	Interdisciplinary	March 26, 2009	Prof. R. Trüeb, Prof. E. Battegay
Nagelerkrankungen	Irchel	April 23, 2009	Dr. S. Lächli, Prof. R. Braun
Mastozytose	Interdisciplinary	May 7, 2009	PD Dr. P. Schmid-Grendlemier
Haartransplantation	Update/Journal Club	May, 28, 2009	Prof. R. Trüeb, Prof. L. French
Akne – ein Update	Irchel	September 24, 2009	Dr. S. Lächli, Prof. L. French
Gerinnung und Antikoagulation in der konservativen und operativen Dermatologie	Update/Journal Club	October 29, 2009	Prof. J. Hafner
Dermato-Allergologischer Kurs der SGDV	Lausanne	October 30/31, 2009	
Neutrophile und autoentzündliche Dermatosen	Irchel	November 12, 2009	Prof. R. Trüeb, Prof. L. French
Update Dermatoonkologie	Update/Journal Club	November 26, 2009	Prof. R. Dummer
Hirsutismus	Interdisciplinary	December 10, 2009	Prof. R. Trüeb, Prof. L. French



Continuing medical education 2010

Subject / Title	Type of education	Date	Organisation
Heller Hautkrebs – ein weit unterschätztes Problem	Irchel	February 11, 2010	Prof. R. Dummer
Dermatologie und Neurologie	Interdisciplinary	February 25, 2010	Prof. R. Trüeb, Prof. L. French, Prof. C. Bassetti
Neues zur Diagnostik und Therapie	Allergie aktuell X	March 11, 2010	PD Dr. P. Schmid-Grendelmeier
Proktologie	Update/Journal Club	March 25, 2010	Dr. S. Lächli
Biologics im therapeutischen Dreieck Haut–Gelenke–Darm	Interdisciplinary	April 22, 2010	Prof. R. Trüeb, Prof. L. French, Prof. B. Michel, Prof. G. Rogler
Interdisziplinäre Angiodysplasie-Sprechstunde am Inselspital Bern: Hilfe für den "Elephant Man"	Update/Journal Club	April 29, 2010	Prof. J. Hafner
Handekzeme – Update zur Therapie	Irchel	May 20, 2010	Prof. B. Ballmer-Weber
5. Internationaler Dermatoskopie-Kurs der SGDV		September 23, 2010	Prof. R. Braun
Psychosomatik in der Dermatologie	Irchel	October 28, 2010	Prof. J. Hafner, PD Dr. A. Cozzio
Dermato-Onkologie	Irchel	November 18, 2010	Prof. Dr. Dummer
Neugeborenen Dermatosen	Interdisciplinary	December 2, 2010	Dr. L. Weibel, PD Dr. A. Cozzio
"Zeigt her eure Füße – zeigt her eure Schuh"	Update/Journal Club	December 9, 2010	Prof. J. Hafner, Prof. L. French

* Dermatologisches und allergologisches Kolloquium including Case Presentations

In 2009, we have organized the Spring Meeting of the SGDV (= Swiss Society for Dermatology and Venerology) and in 2010 the Annual Meeting of the SGDV at Zurich University.

Guest Speakers 2009 and 2010

Amann	Beatrice	Prof. Dr.	Angiologie, UniversitätsSpital Zürich, Schweiz	Interdisziplinäre Angiodysplasie-Sprechstunde am UniversitätsSpital Zürich
Argenziano	Giuseppe	Prof.	Dermatology, Second University Hospital of Naples, Italy	"7 point check-list", "Vascular architecture", "Spitz/Reed nevi", "Melanocytic lesions with regression"
Arlettaz	Romaine	PD Dr. med.	Klinik für Neonatologie, UniversitätsSpital Zürich, Schweiz	Fallvorstellungen
Arnold	Andreas	Dr. med.	Department of Dermatology, University Hospital Basel, Switzerland	Ueberlegungen zur Nachsorge des Melanoms
Baumgartner	Iris	Prof. Dr.	Angiologie, Inselspital Bern, Schweiz	Interdisziplinäre Angiodysplasie-Sprechstunde am Inselspital Bern Dermatologie
Blume-Peytavi	Ulrike	Prof. Dr. med.	Klinikum für Dermatol., Allergol., Venerol., Charité Berlin, Deutschland	Was muss der Dermatologie über Hirsutismus wissen?
Bodis	Stephan	Prof. Dr. med.	Kantonsspital Aarau, Switzerland	Hyperthermia cancer therapy: the BSD-500 system
Boyman	Onur	Prof. Dr. med.	Division of Immunol and Allergol., CHUV Lausanne, Switzerland	Tuning Immune Responses with the Use of Cytokine/Antibody Complexes
Calza	Anne-Marie	Dr.	Skinpulse Dermatology Center Geneva, Switzerland	Transiente Hauterscheinungen des Neugeborenen
Cato	Andrew	Prof. Dr. med.	Research Center Karlsruhe, Deutschland	Protein tyrosine phosphatases as targets for glucocorticoids in anti-allergic and anti-inflammatory reactions
Christofori	Gerhard	Prof. Dr. med.	Universität Basel, Schweiz	Distinct mechanisms of tumor cell invasion and metastasis
Daud	Adil	Prof. Dr. med.	UC San Francisco, USA	Immunogene Therapy for Melanoma
Dindo	Daniel	Dr.	Viszeralchirurgie, UniversitätsSpital Zürich, Schweiz	Proktologie aus der Sicht des Chirurgen
Elliott	John	Prof. Dr. med.		HLA-DQ transgenic NOD mice as models of human autoimmune disease
Elsner	Peter	Prof. Dr. med.	Dermatologische Universitätsklinik Jena, Deutschland	Neue systemische Therapieoptionen beim schweren therapie-refraktären Handekzem
Gaide	Oliver	Dr.	Geneva, Schweiz	Danger sensors signaling after UV irradiation
Galambos	Jürg	Dr. med.	Dermatologische Klinik, Universitätsspital Basel, Schweiz	Kutane Artefaktkrankheit
Garraway	Levi	Prof. Dr. med.	Dana-Farber Cancer Institute Boston, USA	Applications of "next-generation" technologies for discovery and therapeutics in melanoma
Gleissner	Beate	PD Dr. med.	Universitätsklinikum des Saarlandes, Deutschland	Cerebrospinal fluid protein analyses of lymphoma patients
Guarda	Greta	Dr.	Dept of Biochemistry	Regulation of NLRP3 inflammasome activity
Handschin	Christoph	Prof. Dr. med.	Institute of Physiology, University of Zürich, Switzerland	PGC-1alpha in skeletal muscle links metabolism to inflammation
Hengge	Ulrich	Prof. Dr. med.	Haut-Zentrum Hengge, Düsseldorf, Deutschland	Imiquimod: Tipps und Tricks aus der Praxis
Hoey	Susannah	Dr. med.	Dept of Dermatology, Royal Victoria Hospital Belfast, Ireland	Lumps and bumps and naevi in the neonate
Holzmann	David	PD Dr. med.	HNO-Klinik, UniversitätsSpital Zürich, Schweiz	Hautkrebs auch ein Thema für den ORL-Arzt
Itin	Peter	Prof. Dr. med.	Dermatologische Klinik, Universitätsspital Basel, Schweiz	Genetisch bedingte Syndrome
Jacomella	Vincenzo	Dr.	Angiologie, UniversitätsSpital Zürich, Schweiz	Journal Club: "What's New in Angiology 2007–2012"?
Jenewein	J.	PD Dr. med.	Psychiatrische Poliklinik, UniversitätsSpital Zürich, Schweiz	Psychosomatische Modelle und Therapieansätze in der Dermatologie
Kazakov	Dmitry	Dr.	Charles University, Pilsen, Czechoslovakia	Selected inherited syndromes associated with adnexal neoplasms
Kiowski	Gregor		Department of Anatomy, University Zürich, Switzerland	The role of melanoma cancer stem cells in metastasis
Klimek	Ludger	Prof. Dr. med.	Private Praxis of Allergology and HNO Diseases, Wiesbaden, Deutschland	ASS-Intoleranz und Polyposis nasi

Lindenblatt / Knapik	Nicole / Alica	Dr. med.	Plastic and Reconstructive Surgery, University Hospital Zurich, Switzerland	Characterization of the vascularization of skin grafts, skin substitutes and biomaterials in vivo and identification of the vascular mechanisms
Mahler	Vera	PD	Dermatologische Universitätsklinik Erlangen, Deutschland	Management des chronischen Handekzems. Status quo Therapie
Marghoob	Ash	Prof.	Memorial Sloan Kettering Cancer Center New York, USA	Benign melanocytic lesions / Pattern analysis "Kongenital nevi", "Melanoma", "Melanoma and the Law"
Mauch	Cornelia	Prof. Dr. med.	Universität of Köln, Köln, Deutschland	tumor-stroma interactions: which role do they play in tumor invasion and metastasis?
Meyer	Stefanie	Dr.	University of Regensburg, Germany	Defining biomarkers of malign melanoma by means of tissue micro-array analysis
Michelin	Olivier	Prof. Dr. med.	CHUV Lausanne, Switzerland	Translational research for the development of new molecules in the treatment of melanoma
Mrowietz	Ulrich	Prof. Dr. med.	Klinik für Dermatol., Venerol u. Allergol., Christian-Albrecht-Universität Kiel, Deutschland	Therapie schwerer Psoriasis-Formen: Erythrodermie, generalisierte pustulöse Psoriasis, Acrodermatitis suppurativa continua
Münz	Christian	Prof. Dr. med.	Experimental Immunology, University Hospital Zurich, Switzerland	Immunocompetence of mice with reconstituted human immune system components
Nuciforo	Paolo	Dr.	Oncology Novartis	Biomarker strategies in drug development
O'Mahony	Liam	Dr.	SIAP Davos, Switzerland	Novel molecular mechanisms for programming regulatory dendritic cells
Ollert	Markus	Prof. Dr. med.	Allergol und Immunol Abteilung des Universitätsklinikums der TU München, Deutschland	Diagnostik mittels rekombinanter Allergene
Orgaz	Jose Luis	Dr.	Autonomous University of Madrid, Spain	Functional implications of loss of PEDF expression in malignant progression of human melanoma
Otsuka	Atsushi	Dr.	Kyoto University Graduate School of Medicine	CD1: antigen presentation and T cell function
Ott	Hagen	PD	Abt Päd Dermatologie, Kath. Kinderkrankenhaus Wilhelmsstift Hamburg, Deutschland	Neonatale Erythrodermie
Pavlovic	Radjo	Dr. med.	Institute for Immunology Inselspital Bern, Switzerland	ImmunoCAP ISAC in allergen diagnostics and research
Reich	Kristian	Prof. Dr. med.	Dermatologikum Hamburg, Deutschland	IL-12/23 Blockade in der Behandlung der Psoriasis
Reichmann	Ernst	PD Dr. med.	Childrens Hospital Zurich, Switzerland	Skineering
Schnuch	Axel	Prof. Dr. med.	Universitätshautklinik Göttingen, Deutschland	Häufige Kontaktallergene in Beruf und Alltag
Simon	Dagmar	PD Dr. med.	Dermatologische Klinik, Inselspital Bern, Schweiz	Quality of Life von Patienten mit atopischem Ekzem
Tag	Brigitte	Prof. Dr. jur.	Rechtswissenschaftliches Institut, Universität Zürich, Schweiz	Rechtliche Konsequenzen von Fehldiagnosen
Thomas	Luc	Prof.	Dermatology, Hotel Dieu, Lyon, France	"Lesions of the Face", "Dermoscopy of nail pigmentations", "Dysplastic nevi", "Follow up using digital dermoscopy"
von Moos	Roger	Dr. med.	Klinik für Onkologie und Hämatologie, Kantonsspital Graubünden, Schweiz	Update zur Therapie des Melanoms
Zalaudek	Ines	Dr.	Dermatology, University Hospital of Graz, Austria	"Non-melanocytic lesions", "Acral lesions", "Lesions of the scalp and Mucosa", "Melanocytic lesions with regression"
Zielinski	Christina	Dr. med.	Dept of Dermatology, University of Tübingen, Germany	Instructive role of IL-1beta in shaping human Th17 cellphenotypes
Zouboulis	Christos	Prof. Dr. med.	Städtisches Krankenhaus Dessau, Deutschland	Morbus Adamantiades-Behçet

9. 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 donators for their constant precious and generous support.

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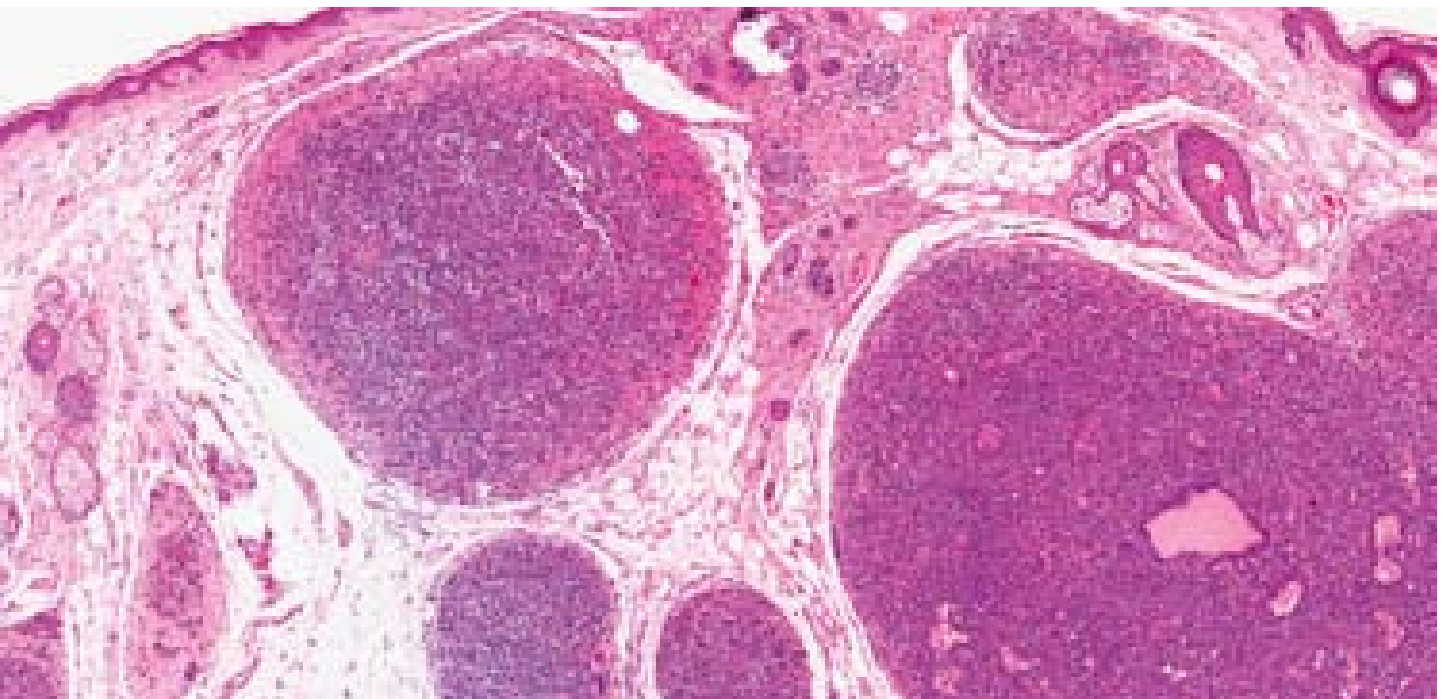
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10. Honors and Prizes

Dr. med. Benedetta Belloni (Research Group of Prof. R. Dummer)

- Winning of the MSD Stipendium Oncology 2010 or a research stage abroad.

Prof. Dr. med. R. Braun

- Nomination into the Guidelines Committee of the European Dermatology Forum (EDF) in September 2009.

P. Dziunycz (Research Group of PD Dr. Hofbauer)

- Winning of the "New Investigator Award 2010" of the European Skin Cancer Research Foundation (ESRF).

Prof. Dr. med. L. French

- Election as Member of the German Academy of Natural Scientists, Leopoldina.
- Nomination as Treasurer of the European Dermatology Forum (EDF) as per 2009.

Prof. Dr. med. Dr. h.c. G. Burg

- The interactive, internet-based e-Learning Program, DOIT, – developed by Prof. G. Burg – and V. Djamei won among 20 finalists the "Medida Price (Euro 50'000)" in Berlin.

Prof. Dr. med. R. Dummer

- "Promotionsrecht" at the Faculty for Mathematics and Natural Sciences for biologist as per 2009.

Dr. med. M. Geiges

- Nomination as Chairperson of the Working Group for History of Dermatology and Venerology (AGDV) in May 2009.
- Election as Secretary-Treasurer of the European Society for the History of Dermatology/Venerology.

Dr. med. S. Gisler Saenz

- Winning the first prize for "best oral presentation" at the Summer School, Norwich/UK, of the European Association for Clinical Immunology (EAACI) in July 2009 for the presentation "A broad spectrum of IgE-binding self-antigens associated to atopic exzema".

Prof. Dr. med. J. Hafner

- Election as President Elect of the Swiss Society for Dermatology and Venerology (SGDV) as per autumn 2011.
- Winning of the "Peregrini-Price" by the Austrian Society for Phlebology (ÖGP) and the ADO.

Dr. med. Th. Harr

- Nomination as Vice President of the Swiss Working Group for Aerobiology.
- Election to Representative of the Swiss Association for Allergology and Clinical Immunology (SGAI) by the European Working Group for the Basophil Activation Test (BAT).

Dr. sc. nat. M. Karpova (Research Group of Prof. R. Dummer)

- Winning of the first Poster-Price at the 40th Annual Assembly of the European Society for Dermatologic Research (EDR), Helsinki, in September 2010, for the poster "Transcriptional adaptation caused by vorinostat/bexarotene combination therapy in advanced cutaneous T-cell lymphoma".

Prof. Dr. med. P. Schmid-Grendelmeier

- Nomination as Extraordinary Member of the HMEC of Swissmedic for the section "Allergology".
- Election as Chairperson of the "Dermatology Section" of the European Association for Allergy and Clinical Immunology (EAACI).
- Nomination as Board Member in the European Association for Allergy and Clinical Immunology (EAACI).
- Election as Vice President of the foundation AHA (Schweizerisches Zentrum für Allergie, Haut und Asthma).

Dr. med. L. Weibel

- Elected for the Promotion Programm "Protected Time" of the University of Zurich for supporting capacity for a research project or the preparation of the habilitation.

Prof. Dr. med. B. Wüthrich

- Winning of the "Charles Black Award" or the Promotion of Allergy as specialty in Europe by the European Association for Allergy and Clinical Immunology (EAACI).

Dermatopathology

- The department of Dermatopathology of the Department of Dermatology at the USZ had been accredited by the International Committee for Dermatopathology (ICDP) in collaboration with the Special Section of Dermato-Venerology/Pathology (UEMS). This allows that Dermatologists and Pathologists can prepare themselves for international exam in Dermatopathology at our Department.

Promotions since 2009

- Prof. Dr. med. B. Ballmer-Weber:
promotion to title of "Titularprofessur" in 2009
- Dr. med. Bogdan:
promotion to title of "Oberärztin" in 2010
- Prof. Dr. med. O. Boyman:
promotion to title of "Förderungsprofessur" and "Leitender
Arzt" in 2010
- Prof. Dr. med. R. Braun:
promotion to title of "Titularprofessur" in 2009
- PD Dr. med. Dr. sc. nat A. Cozzio:
promotion to title of "Leitender Arzt" in 2010
- Dr. med. Th. Harr:
promotion to title of "Oberarzt" in 2009
- PD Dr. med. G. Hofbauer:
promotion to title of "Leitender Arzt" in 2009
- Prof. Dr. med. W. Kempf:
promotion to title of "Titularprofessur" in 2009

11. Publications

Publications 2009

Original papers (peer-reviewed)

Ackermann-Liebrich, U; Schindler, C; Frei, P; Probst-Hensch, N M; Imboden, M; Gemperli, A; Rochat, T; Schmid-Grendemeier, P; Bircher, A J (2009). Sensitisation to Ambrosia in Switzerland: a public health threat on the wait. In: *Swiss Medical Weekly* 139(5-6), 70-75

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**University Hospital
Zurich**

University Hospital Zurich
Department of Dermatology
Gloriastrasse 31
8091 Zurich

www.dermatologie.unispital.ch
info@unispital.ch