

**Advanced ICAS Training Course on
"Wound Healing and its Disturbances"
14-18 February 2005**

**at the
Institute for Laser Technologies in Medicine (ILM)
at the University of Ulm
Helmholtzstrasse 12, 89081 Ulm, Germany**

Course Director:

Professor Dr. Karin Scharffetter-Kochanek

Final Program

Monday, 14 February 2005

- 09.30 h Registration
- 10.00 h Opening Ceremony (*Professor Dr. Karin Scharffetter-Kochanek, Professor Dr. Theodor M. Fliedner, Professor Dr. Rudolf Steiner*)
- 11.00 h Coffee break
- Session I: Physiology and Genetics of Wound Healing**
- Chair: Professor Dr. Karin Scharffetter-Kochanek
- 11.15 h Physiology of Wound Healing as a Highly Coordinated Sequence of Different Phases
*Assoc.-Professor Dr. Sabine Eming
Clinic of Dermatology and Venerology
University of Cologne*
- 12.00 h The Function of Myofibroblasts During Wound Contracture in Wound Healing
*Dr. Boris Hinz
Laboratory of Cellular Biophysics and Biomechanics
Swiss Federal Institute of Technology in Lausanne*
- 12.45 h Lunch
- 14.00 h From Reepithelialisation to Inflammation – KGF and KGF-Regulated Genes
*Dr. Hans-Dietmar Beer
Institute of Cell Biology
Swiss Federal Institute of Technology, Zurich*
- 14.45 h Genetic Causes in Severe Wound Healing Disturbances
*Dr. Katrin Welt
Clinic of Dermatology and Allergology
University of Ulm*
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- 15.15 h Epidermal - Dermal Interactions During Tissue Repair
Assoc.-Professor Dr. Hans Smola
Paul Hartmann AG, Heidenheim
- 15.45 h Coffee break
- Chair: Professor Dr. Finn Gottrup
- 16.15 h Metabolic Causes in Severe Wound Healing Disturbances
Professor Dr. Bernhard Böhm
Department of Internal Medicine I, Unit of Endocrinology
University of Ulm
- 17.00 h Diabetic Foot Ulcers. How to organize the optimal treatment
Professor Dr. Finn Gottrup
University Center of Wound Healing
Department of Plastic Reconstruction Surgery
University of Southern Denmark
- 17.45 h End
- 19.00 h Guided Tour through the Old Part of the City of Ulm
(Meeting point: Tourist-Information at the Stadthaus Ulm (Modern White Building in Front of the Münster Cathedral))
- 20.00 h Guided Tour Ends with a Dinner Invitation for All Participants and Lecturers at the "Zunfthaus der Schiffeleute", Fischerviertel Ulm

Tuesday, 15 February 2005

Session II: Skin Ulcerations

Chair: Professor Dr. Cord Sunderkötter

- 09.00 h Differential Diagnosis of Skin Ulcerations
Assoc.-Professor Dr. Johannes Weiss
Clinic of Dermatology and Allergology
University of Ulm
- 09.45 h Antiseptics and Antibiotics in Skin Ulcers - When and How?
Professor Dr. Cord Sunderkötter
Clinic of Dermatology and Allergology
University of Ulm
- 10.30 h Coffee break
- 11.00 h Allergic Contact Dermatitis as a Complication of Chronic Skin Ulcers
Dr. Gyde Staib
Clinic of Dermatology and Allergology
University of Ulm
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Session III: Chronic Venous Leg Ulcers

- 11.45 h Chronic Venous Insufficiency as a Cause of Chronic Venous Leg Ulcers -
Diagnostic Evaluation
Professor Dr. Eberhard Rabe
Clinic of Dermatology
University of Bonn
- 12.30 h Lunch

Chair: Professor Dr. Michael Jünger
- 14.00 h Pathogenetics of Chronic Venous Leg Ulcers
Professor Dr. Michael Jünger
Clinic of Dermatology
University of Greifswald
- 14.45 h Aggressive Microenvironment in Chronic Venous Leg Ulcers: Molecular Bases
and Therapeutic Options
Professor Dr. Karin Scharffetter-Kochanek
Clinic of Dermatology and Allergology
University of Ulm
- 15.30 h Coffee break

Chair: Assoc.-Professor Dr. Sabine Eming
- 16.00 h Proteolysis of Growth Factors and Novel Strategies for its Prevention in
Chronic Venous Leg Ulcers
Assoc.-Professor Dr. Sabine Eming
Clinic of Dermatology and Venerology
University of Cologne
- 16.45 h Reconstructive Surgery for Venous Insufficiency
Dr. Martin Fuchsbauer
Clinic of Dermatology and Allergology
University of Ulm
- 17.30 h End

Wednesday, 16 February 2005**Session III: Chronic Venous Leg Ulcers (Cont.)**

Chair: Professor Dr. Cord Sunderkötter

- 09.00 h LAF and Shave Therapy in Chronic Venous Leg Ulcers
Professor Dr. Eberhard Paul / Dr. med. Galli
Clinic of Dermatology
Nord Clinic, Nürnberg
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- 09.45 h Topical Treatment of Chronic Venous Leg Ulcers Including Dressings and Bandages
Dr. Stefanie Ott
Clinic of Dermatology and Allergology
University of Ulm
- 10.30 h Coffee break
- 11.00 h Therapeutic Options for Debridement in Chronic Wounds
Assoc.-Professor Dr. Joachim Dissemond
Clinic of Dermatology and Venerology
University of Essen
- 11.45 h Differential Diagnosis in Chronic Venous Insufficiency with Patient Demonstrations
Professor Dr. Cord Sunderkötter, Dr. Martin Fuchsbauer
Clinic of Dermatology and Allergology
University of Ulm
- 12.30 h Lunch
- 14.00 h **Session IV: Practical Exercises I**
(2 groups of 9-10 participants)
- Practical Application of Different Bandages to Reduce the Hydrostatic Pressure in Chronic Venous Leg Ulcers / Duplexsonographie, Pletymographie
Assoc.-Professor Dr. Johannes Weiss, Dr. Stefanie Ott, Dr. Karin Welt, Dr. Martin Fuchsbauer, Mrs. Andrea Hetzelberger, Mrs. Harisa Sabanovic, Mrs Frank
Clinic of Dermatology and Allergology, Ulm
Representatives of Paul Hartmann AG, Heidenheim
- Coffee break
- Models to Study Distinct Aspects in Wound Healing
Scratch Model in Monolayer Culture
Boyden Chamber Assay
Dermal Equivalent
Epidermal Equivalent
Mrs. Christina Hinrichs, Dr. Silke Sulyok, Dr. Mainhard Wlaschek, Prof. Dr. Karin Scharffetter-Kochanek
- 16.30 h End
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Thursday, 17 February 2005**Session V: Special Topics I**

Chair: Assoc.-Professor Dr. Johannes Weiss

09.00 h Pathogenesis, Clinical Pictures, Diagnostics and Conservative Therapeutic Options in Peripheral Arterial Stenosis
Assoc.-Professor Dr. Hartmut Hanke
Department of Internal Medicine, Unit Angiology
University of Ulm

09.45 h Surgical Approach to Treat Arterial Stenosis
Dr. Hubert Schelzig
Department of thorax and vascular surgery
University of Ulm

10.30 h Coffee break

Chair: Assoc.-Professor Dr. Johannes Weiss

11.00 h Vasculitis as a Cause of Skin Ulcers - Pathogenesis, Clinical Picture, Diagnostics and Treatment Strategies
Professor Dr. Cord Sunderkötter
Clinic of Dermatology and Allergology
University of Ulm

11.45 h Mal Perforans - Pathogenesis, Clinics and Therapy: The Importance of the "Foot Consulting Hour"
Dr. Martina Kuhn-Halder
Department of Internal Medicine, Unit Diabetology
University of Ulm

12.30 h Lunch

Session VI: Practical Exercises II

(2 groups of 9-10 participants)

Chair: Professor Dr. Rudolf Steiner

14.00 h Evaluation of Wound Volume by Stripe-Projection
Dipl.-Phys. Detlef Russ
Institute for Laser Technologies
Ulm

14.30 h Foot Consulting Hour - Practical Demonstrations with Patients
Dr. Martina Kuhn-Halder
Department of Internal Medicine, Unit Diabetology
University of Ulm

Coffee break

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- 15.00 h Demonstrations of Diagnostic Procedures in Chronic Venous Insufficiency
Dr. Martin Fuchsbauer, Dr. Roland Schubert
Clinic of Dermatology and Allergology
University of Ulm
- 16.00 h Demonstration of Diagnostic Procedures in Arterial Stenosis
Assoc.-Professor Dr. Hartmut Hanke
Department of Internal Medicine, Unit Angiology
University of Ulm
- 17.00 h End

Friday, 18 February 2005

Session VII: Special Topics II

Chair: Dr. Ralf Hinrichs

- 09.00 h Growth Factors in the Treatment of Chronic Wound Disturbances – Hopes and Limits
Dr. Ralf Hinrichs, Professor Dr. Karin Scharffetter-Kochanek
Clinic of Dermatology and Allergology
University of Ulm
- 09.45 h Treatment of Burn Wounds
Dr. Mamta Shah
Clinic of Plastic Surgery
University of Manchester
- 10.30 h Coffee break
- Chair: Dr. Ralf Hinrichs
- 11.00 h Vacuum-Therapy in the Up-Speeded Induction of Granulation Tissue
Dr. Roland Schubert
Clinic of Dermatology and Allergology
University of Ulm
- 11.45 h Stem Cells in Tissue Repair and Wound Healing
Professor Dr. Hubert Schrezenmeier
Institute for Transfusion Medicine
University of Ulm
- 12.30 h Lunch
- 13.30 h Closing Ceremony, Handout of Certificates and Panel Discussion about Creating a Network in Wound Healing Research (*Professor Dr. Karin Scharffetter-Kochanek, Professor Dr. Theodor M. Fliedner*)
- 14.00 h End of Course
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