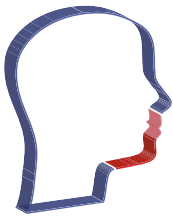


# Final Program



**12<sup>th</sup> International**



## **Bernd-Spiessl-Symposium**

for Innovative and Visionary Technologies  
in Cranio-Maxillofacial Surgery

Face and Identity | Spirituality and Medicine | Surgery 4.0

June 16<sup>th</sup> – 18<sup>th</sup> 2016, University Hospital Basel, Switzerland

**[www.bernd-spiessl-symposium.com](http://www.bernd-spiessl-symposium.com)**

## ART Basel 2016

visit our guided ART tours

on Saturday, June 18<sup>th</sup>, 04:00 p.m. – 06:00 p.m.

For further informations please ask for help at the  
registration desk.

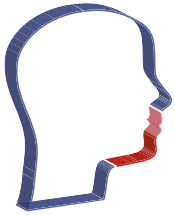


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**12<sup>th</sup> International**



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Scientific endorsement by  
the European Association for  
Cranio-Maxillofacial Surgery  
EAMFS

# WELCOME TO BERND-SPIESSL-SYMPOSIUM 2016

## Dear Friends of the Bernd-Spiessl-Symposium

We have the pleasure to welcome you in Basel to our 12<sup>th</sup> International Conference for Innovative and Visionary Technologies, which takes place from 16<sup>th</sup> to 18<sup>th</sup> June at University Hospital Basel, ZLF (Zentrum für Lehre und Forschung), Hebelstrasse 20.

Traditionally our symposium is focused around the latest research results of the human face as a multidisciplinary research field. Furthermore we discuss other innovative and visionary topics with the most varying aspects of medicine and life sciences, computer science, humanities and arts.

This year our main topics are

Face and Identity | Spirituality and Medicine | Surgery 4.0

As every year the symposium is hosted during the world-famous «ART Basel». So we will offer you also an ART program.

Apart from lectures by international experts, young scientists present their work and compete for the Bernd-Spiessl-Award 2016.

Our cultural and social program starts traditionally on Thursday evening with a Welcome Apéro.

The next evening we meet at our favourite Gala Dinner in the Wildt'sches House, and on Saturday afternoon we start our cultural racer, the Guided Tour through the ART 2016.

At the end of the symposium the doors are open for a Farewell Party in the baroque corner of the clinic garden.

We wish you a thrilling scientific and cultural event.

H.-F. Zeilhofer

J.- Th.Lambrecht

M. B. Wiedmer



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Hightech Research Center,  
University Hospital Basel

Dept. of Oral Surgery,  
Oral Radiology &  
Oral Medicine, University Basel

Lucerne University of  
Applied Sciences and Arts,  
School of Art and Design



## Thursday | June 16<sup>th</sup> 2016 Scientific Program

**Zentrum für Lehre und Forschung (ZLF), Hebelstrasse 20  
Main Lecture Hall**

**09:00 a.m. – 09:30 a.m. Opening of the Scientific Program and the Exhibition**

**ZLF, Main Lecture Hall**

**09:30 a.m. – 10:15 a.m. Session 01: BSS-Lecture 2016**

**A Century of Facial Reconstructive Surgery: From the First World War to the First Facial Transplantation**  
Bernard Devauchelle, Amiens / France

**ZLF, Industrial Exhibition Area**

**10:15 a.m. – 10:45 a.m. Coffee Break**

**ZLF, Main Lecture Hall**

**10:45 a.m. – 11:45 a.m. Session 02: Face and Identity I**

**The Challenge of Representing Identity**  
Michael Renner, Basel / Switzerland

**Trends and Visions in CMF-Surgery**  
Katja Schwenzer, Graz / Austria

**Medicine – Marketing – Identity?**  
Robert Sader, Frankfurt (Main) / Germany

**ZLF, Industrial Exhibition Area**

**11:45 a.m. – 12:45 p.m. Lunch Break – Visit of the Industrial Exhibition**

**ZLF, Main Lecture Hall**

**12:45 p.m. – 01:30 p.m. Session 03: Surgery 4.0**

**Internet of the Body**  
Bruno Michel, Zürich / Switzerland

**ZLF, Industrial Exhibition Area**

**01:30 p.m. – 01:45 p.m. Short Break**



## Thursday | June 16<sup>th</sup> 2016 Scientific Program

### **ZLF, Main Lecture Hall**

**01:45 p.m. – 03:30 p.m. Session 04: Surgery 4.0**

#### **Innovation I**

Philippe Cattin, Basel / Switzerland

#### **Innovation II**

Hans-Florian Zeilhofer, Basel / Switzerland

#### **Human Centered Design Process. Managing Risks and Design Business Opportunities**

Raimund Erdmann, Brugg / Switzerland

#### **Low-cost 3D Medical Printing. The Experience of the University Hospital of Besançon - France**

Mourad Benassarou, Christoph Meyer, Besançon / France

### **ZLF, Centro Lecture Room**

**03:30 p.m. – 04:15 p.m. Session 05: Surgery 4.0 Robot**

#### **Presentation of the CARLO Device**

Alfredo Bruno, Cyrill Bäscher, Allschwil / Switzerland

**04:15 p.m. – 04:45 p.m. Coffee Break**

### **ZLF, Industrial Exhibition Area**

**04:45 p.m. – 06:15 p.m. Two Special Lectures**

#### **In Sickness and in Health. Life Courses of a Community in Death of the Neolithic Megalithic Tomb from La Mina, Spain**

Laura Rindlisbacher, Kurt W. Alt, Basel / Switzerland, Krems / Austria

#### **Medicine Art Technology in Progress: The Rhinospider Film**

Wolfgang Freysinger, André Zogholy, Innsbruck / Austria, Linz / Austria

### **Catholic University Chaplaincy, Herbergsgasse 7**

**06:30 p.m. – 07:15 p.m. Memorial Service for Bernd Spiessl**

**07:30 p.m. – 10:00 p.m. Welcome Apéro**





## Friday | June 17<sup>th</sup> 2016 Scientific Program

**Zentrum für Lehre und Forschung (ZLF), Main Lecture Hall,  
Hebelstrasse 20**

**09:00 a.m. – 10:45 a.m. Session 07: Ceramic Implants**

**A Prospective Clinical Study to Evaluate the Performance of Zirconium Dioxide dental implants in single-tooth gaps.1 and 3 years outcome**

Michael Gahlert et al., Munich / Germany

**Full Ceramic Implants-Hard and Soft Tissue Behavior**

Heinz Kniha et al., Munich / Germany

**Have Ceramic Implants a Reduced Liability to Peri-Implant Infections Compared to Titanium Implants?**

Stefan Röhling et al., Basel / Switzerland

**Handheld Mini-Navigation in Dental Implantology - a New System to Transfer Accuracy in Planning to the Surgical Site**

Philipp Jürgens, Stephan Böhringer, Stefan Röhling, Simone Hemm-Ode, Erik Schkommodau, Basel / Switzerland

**ZLF, Industrial Exhibition Area**

**10:45 a.m. – 11:15 a.m. Coffee Break**

**ZLF, Main Lecture Hall**

**11:15 a.m. – 12:00 p.m. Session 08: Spirituality and Medicine I (Keynote)**

**Spiritual and Pastoral Care in Health Care: Challenges for Professionals?**

Traugott Roser, Muenster / Germany

**ZLF, Industrial Exhibition Area**

**12:00 p.m. – 01:00 p.m. Lunch Break – Visit of the Industrial Exhibition**



## Friday | June 17<sup>th</sup> 2016 Scientific Program

### Main Lecture Hall

**01:00 p.m. – 03:20 p.m. Session 09: Spirituality and Medicine II**

#### **Doctor`s Belief and Patients Resilience – Is there a Spiritual Dimension in Health?**

René Hefti, Langenthal / Switzerland

#### **In the Eye of the Beholder: Dignity in Palliative Care**

Sandra Eckstein, Basel / Switzerland

#### **Sustain and Suffer**

Peter Kessler, Maastricht / The Netherlands

#### **Progress & Expectations in Children with Disability**

Lakshmi Rakesh, Viskapatnam, Andra Pradesh / India

### Industrial Exhibition Area

**03:20 p.m. – 03:50 p.m. Coffee Break**

### Main Lecture Hall

**03:50 p.m. – 04:40 p.m. Session 10: Face and Identity II**

#### **Slow, Rapid or Surgically Assisted Maxillary Expansion?**

Karin Habersack, Gerd W. Paulus, Munich / Germany

#### **Special Manual Treating Techniques in the Complex of Cranio-mandibular Dysfunction/Disorders. An Interdisciplinary Approach**

Susanne Codoni, Allschwil / Switzerland

### Industrial Exhibition Area

**04:40 p.m. – 05:10 p.m. Coffee Break**







## Friday | June 17<sup>th</sup> 2016 Scientific Program

### **ZLF, Main Lecture Hall**

**05:10 p.m. – 06:40 p.m. Session 11: Spirituality and Medicine III  
(German/Deutsch)**

**Das Gesicht des Anderen. Was Spiritual Care von Emmanuel  
Levinas lernen kann**

Eckhard Frick, Munich / Germany

**d-health: Designforschung als Gesundheitsressource**

Dagmar Steffen, Hans Kaspar Hugentobler, Lucerne / Switzerland

### **Wildt'sches Haus, Petersplatz 13**

**07:00 p.m. – 11:00 p.m. Gala Dinner**

Photo: nicola feola



Gala dinner at «Wildt'sches Haus», a very famous and representative patrician house in the old town. The house was built in baroque style between 1762 and 1768.



## Saturday | June 18<sup>th</sup> 2016 Scientific Program

### **Zentrum für Lehre und Forschung (ZLF), Main Lecture Hall**

**08:30 a.m. – 10:15 a.m. Session 12: Free Topics**

#### **Computer Assisted Assessment of Necrotic Changes in the Mandibular Bone due to Bisphosphonate or Radiation Therapy**

Cornelia Kober, G. Kjeller, Britt - Isabelle Berg, Hamburg / Germany  
Basel / Switzerland

#### **Understanding and Managing the Premaxilla in BCLP-Cases**

SP Singh, Chandigarh / India

#### **Floor of Mouth Infantile Hemangiopericytoma in a Newborn – When Surgery & Adjuvant Therapy Fail to Cure**

Ariel I. Hirschhorn et al., Chaim Sheba / Israel

#### **Multifunctional Reconstruction of Complex Mandibular Defects with the Scapula-Latissimus dorsi flap - the «Grazer» Experience**

Tomislav Ante Zrnc, Graz / Austria

#### **Innovator's Pain and Pleasure: Interpreting Experience in Few Clinical Case Scenarios**

Sailesh Kumar Mukul, Patna / India

#### **Ethical Issues in the Regulation of Medical Devices: A Psycho-Social Approach to Regulatory Weaknesses**

Samuel J. Zeichner, New York / USA

### **ZLF, Industrial Exhibition Area**

**10:15 a.m. – 10:45 a.m. Coffee Break**

### **ZLF, Main Lecture Hall**

**10:45 a.m. – 01:00 p.m. Session 13: Surgery 4.0 IV**

#### **3D Printing Applications in Medicine: Yesterday – Today – Tomorrow**

Ralf Schumacher, Basel / Switzerland

#### **3D Printing from a Radiologist's Point of View**

Philipp Brantner, Florian M. Thieringer, Tobias Heye, Basel / Switzerland

#### **3D Printing Applications in Cranio-Maxillofacial Surgery**

Florian M. Thieringer, Basel / Switzerland

#### **3D Printing of Implants - Riskmanagement for Metallic 3D Printers**

Philippe Chavanne, Basel / Switzerland



## Saturday | June 18<sup>th</sup> 2016 Scientific Program

### **ZLF, Main Lecture Hall**

#### **3D Printed Titanium Implants in Maxillofacial Surgery**

Jan-Michaél Hirsch, P. Dérand, K. Gamstedt, J. Huo, O. Omar, A. Palmquist, A. Thor, F. Nysjö, J. Nysjö, I. Nyström, L-E Rännar, Uppsala, Göteborg / Sweden

#### **Future of 3D - Planning**

Harald Essig, Zurich / Switzerland

#### **3D Printed Anatomical Models for Lab Training in Oral & Maxillofacial Surgery**

Simon Werz, Samuel J. Zeichner, Britt - Isabelle Berg, Hans-Florian Zeilhofer, Florian M. Thieringer, Basel / Switzerland

#### **CAD/CAM Technologies for CMF-Surgery**

Martin Rücker, Zurich / Switzerland

#### **Medical Robotics and Industry 4.0 - a Possible Joint Venture?**

Georg Rauter, Basel / Switzerland

### **ZLF, Industrial Exhibition Area**

**01:00 p.m. – 01:45 p.m. Lunch Break – Visit of the Industrial Exhibition**

**01:45 p.m. – 03:00 p.m. Session 14: Special Lectures**

#### **Faith, Art and Medicine**

Paul C. Salins, Bangalore / India

#### **What to Consider when Breaking Bad News?**

Domnita Badarau, Basel / Switzerland

#### **Doctors as Popular Writers**

J-Thomas Lambrecht, Basel / Switzerland

### **ZLF, Main Lecture Hall**

**03:00 p.m. – 03:15 p.m. Bernd Spiessl Awards 2016**

### **Messe Basel, Messeplatz**

**04:00 p.m. – 06:00 p.m. Guided Tour Through the ART Basel**

### **Holsteiner Hof, Hebelstrasse 20**

**06:00 p.m. – 11:00 p.m. Farewell Party**



# Zeit für Visionen



## **Catholic Community of Basel University**

The catholic university community addresses students and lecturers with oecumenic and religious openness. People of our community are searching for spiritual comfort. We allow christianity to challenge, to inspire and to support us. As the catholic community of Basel University we provide space for meeting other souls.

We are guided by the respect for the diversity of people. We are searching for an open exchange with those who are interested in exciting and difficult aspects of life aside from studies, profession and work.

We are interested in questions about spirituality and faith, ethics, philosophy, society, politics, religious dialogues, church, culture, art and other themes.

We provide space for everyday life and celebrations, flirt and quarrel, laughing and crying, companionship and friendship.



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**ART Basel 2016 Messeplatz 21**



**Bernar Venet, Effondrement: Arcs, 2016 von Bartha,  
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