

An abstract, expressive painting of a human face in profile, facing left. The face is rendered with thick, visible brushstrokes in a variety of colors including green, yellow, orange, red, and black. The background is white with some yellow and black brushstrokes. The overall style is gestural and painterly.

PROGRAM

15th International Bernd Spiessl-Symposium

14 – 15 June 2019, University Hospital Basel, Switzerland

for Innovative and Visionary Technologies in Cranio-Maxillofacial Surgery

FACE AND IDENTITY – THE DIGITAL FUTURE OF MEDICINE

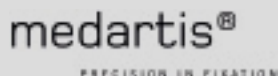
► bss-15.sciforum.net

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Basel⁺



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Welcome to Bernd Spiessl-Symposium 2019

We have the pleasure to announce the 15th International Bernd Spiessl-Symposium. Under the Theme “Innovation meets Art” there will be a focus on face and identity as every year as well as the digital future of medicine. Raising new fields at the interface between Life Sciences and MedTech will be given a platform to nurture interdisciplinary collaboration between medical doctors, scientists, engineers, start-ups and the private industry.

Innovative and visionary technologies in Cranio-Maxillofacial Surgery will be presented from Friday, 14 June to Saturday, 15 June 2019 at the University Hospital Basel, Zentrum für Lehre und Forschung (ZLF), Hebelstrasse 20, Basel, Switzerland.

The International Bernd Spiessl-Symposium is one of the leading conferences for Innovative and Visionary Technologies in Cranio-Maxillofacial Surgery. The concept unites practical science with highly qualitative academic value which is recognizable in its diversity on topics such Face & Identity, Next Generation of Education, Care Concepts of the Future, Smart Implants, Internet of the Body, Robotics, Archeo-medicine, Artificial Intelligence, Blockchain

Technology, Implantology & Navigation, Clefts, 3D Printing and interesting Free Topics.

There is a saying:

«Art leads to scientific and medical innovation – science and medicine inspire art.»

This is the spirit of the conference. Art performances and music improvisation will be an integrative part of the conference.

Traditionally, our cultural program starts on Thursday evening with an aperitif and a Swiss vernissage. The next evening we invite you to our favorite Gala Dinner at the Wildt'sche Haus. On Saturday, we start our cultural racer, the guided tour through the Art Basel 2019. The congress program ends, as every year, with our traditional Garden Party.

We look forward to meeting you at our exciting scientific event.

H.-F. Zeilhofer
Dept. of Cranio-Maxillofacial
Surgery & Hightech Research Center,
University Hospital Basel

Program Overview

Thursday, 13 June 2019

18:30

Memorial Service for Bernd Spiessl

19:30

Get together with Apéro Riche & Vernissage

Friday, 14 June 2019

Kleiner Hörsaal (ZLF)

08:30 Registration

09:30 **Opening of the Scientific Program**
Hans-Florian Zeilhofer

09:45 **Bernd Spiessl-Lecture**
Frederic Fol Leymarie
University of London, UK

10:15 **Coffee Break**

10:30 **SESSION 1:**
FACE AND IDENTITY

Doubt and Certainty in Oncology
Peter Kessler
University Medical Center,
Maastricht, Netherlands

Face graft? Extrapolation of Facial Allotransplantation to Children
Bernard Devauchelle
University Hospital Amiens, France

Title
Luc Tissot
Tissot Medical Research, Switzerland

Any Tool is only as clever as its user
Cornelia Kober
Professor i.R., University of Applied Sciences
Hamburg, Germany

11:30 **Table Sessions**
1. Miodrag Savic
2. Samarth Shetty
3. Till R. Kuhnle / Lindsey G. Zeichner
4. Christoph Blecher / Irena Seelig

12:30

Lunch

13:30

SESSION 2:
DIGITAL FUTURE & MEDICINE/ROBOTICS
CHAIR: PHILIPPE CATTIN UND
GEORG RAUTER

Title
Stefan Weber
University of Bern, Switzerland

CARLO
Cyrell Bätischer, Advanced Osteotomy Tools,
Basel, Switzerland &
Philippe Cattin, University of Basel,
Switzerland &
Hans-Florian Zeilhofer, University Hospital
Basel, Switzerland

Status Quo of Minimal Invasive Semi-automatic Robotic Laser Osteotomy
Georg Rauter, Department Biomedical Engineering, Allschwil,
University of Basel, Switzerland

Pepper & Nao: First Impressions of their use in Healthcare
Jean Christophe Gostanian, Claudio Paul
Avatarion Technology AG, Zürich,
Switzerland

14:30

Coffee Break

15:00

Table Sessions
1. Ivan Susič - "Tri-axial Force Sensor for Endoscopic Palpation in Minimally Invasive Interventions."
2. Lorin Fasel - "Vision-based Control of a Robotic Endoscopes"
3. Manuela Eugster - "The Walking Minimally Invasive Robot for Laserosteotomy"
4. Lorenzo Iafolla / Massimiliano Filippozzi - "ASTRAS – a novel high accuracy angle sensor for medical applications"
5. Arsham Hamidi / Ferda Canbaz - "Wireless Optical Coherence Tomography"

17:00

Special Lecture
Poet Doctors

Friday, 14 June 2019

18:30 Transfer to Wildt'sches Haus

19:00 **Gala Dinner at Wildt'sches Haus****Saturday, 15 June 2019****Kleiner Hörsaal (ZLF)**

08:00 Registration

**09:00 SESSION 3:
DIGITAL FUTURE OF MEDICINE / CYBER
SECURITY**

**A People-centered Approach to
Maxillofacial Prosthetics**

David Trainer
University of Miami Jackson Memorial
Medical Center, USA

**Faces & Feelings: Exploring the Uncanny
Valley**

Samuel J. Zeichner
Centre de Radiologie Maxillo-Facial Vevey,
Switzerland

**Gaming for Better Diagnostics - a Game
Changer for Healthcare and the Use of
Personal Data**

Christian Vogler
Advancience, Allschwil, Switzerland

**Who Owns and Controls the Data? - Legal
Dimensions of Artificial Intelligence and
Questions on Access, Control, Ownership
and Legal Use of Data in Digitalized
Medicine**

Claudia Seitz
University of Basel, Faculty of Law,
Switzerland

10:00 **Coffee Break**

10:30 Table Session
Team Advancience

**11.30 SESSION 4:
DIGITAL FUTURE OF MEDICINE/
DENTISTRY**

Title
Stefan Stübinger
Department Biomedical Engineering
University Basel, Switzerland

Title
Stefan Röhling
Cantonal Hospital Aarau, Switzerland

**3D Printing in Cranio-Maxillo-Facial
Surgery – Top or Flop?**
Florian Thieringer
University Hospital Basel, Switzerland

12:30 **Lunch**

**13.30 SESSION 5:
DIGITAL FUTURE MEETS HUMANITY**

**Spiritual Care for Informal Caregivers – a
Relief Programme in Community Care**
Dr. Alexander Bischoff,
University of Geneva, Switzerland
Christoph Leiggenger
Cantonal Hospital Aarau, Switzerland

Craniofacial Kinetic Science MAS
Hans-Florian Zeilhofer
University Hospital Basel, Switzerland
Master Students of Craniofacial Kinetic
Science

14:30 **Table Session**15:30 **Guided Tour Art Basel**18:00 **Farewell Party**

Pre-Event

18:30 Memorial Service for Bernd Spiessl

Venue:

Catholic University Community KUG

Herbergsgasse 7

4051 Basel

19:30 Get Together with Apéro Riche & Vernissage

Venue:

Herbergsgasse 7

4051 Basel



Scientific Program

Kleiner Hörsaal (ZLF)

- 08:30 Registration
- 09:30 Opening of the Scientific Program
Chair: Hans-Florian Zeilhofer, University Hospital of Basel, Switzerland
- 09:45 Bernd Spiessl-Lecture
Frederic Fol Leymarie, University of London, UK

10:15 Coffee Break

10:30 – 11:30 Session 1: Face and Identity

Doubt and Certainty in Oncology

Peter Kessler, University Medical Center, Maastricht, Netherlands

Face graft? Extrapolation of Facial Allotransplantation to Children

Bernard Devauchelle, University Hospital Amiens, France

Title

Luc Tissot, Tissot Medical Research, Switzerland

Any Tool is only as clever as its user

Cornelia Kober, Professor i.R., University of Applied Sciences Hamburg, Germany

11.30 – 12.30 Table Sessions

Miodrag Savic, University Hospital Basel, Switzerland

Samarth Shetty, Narayana Medical Centre, Bangalore, India

Till R. Kuhnle, E.H.I.C. Université de Limoges, France &

Lindsey G. Zeichner, E.H.I.C. Université de Limoges, France

Christoph Blecher, Cranioform AG, Berlin, Germany &

Irena Seelig University of Basel, Allschwil, Switzerland

12.30 – 13.30 Lunch

13.30 – 14.30 Session 2: Digital Future & Medicine/Robotics

Chair: Philippe Cattin und Georg Rauter

Title

Stefan Weber, University of Bern, Switzerland

CARLO

Cyrrill Bättscher, Advanced Osteotomy Tools, Basel, Switzerland &

Philippe Cattin, University of Basel, Switzerland &

Hans-Florian Zeilhofer, University Hospital Basel, Switzerland

Status Quo of Minimal Invasive Semi-automatic Robotic Laser Osteotomy

Georg Rauter, Department Biomedical Engineering Allschwil,

University of Basel, Switzerland

Pepper & Nao: First Impressions of their use in Healthcare

Jean Christophe Gostanian, Claudio Paul, Avatarion Technology AG, Zürich,

Switzerland

14:30

Coffee Break

15:00 – 17:00 Table Sessions

Tri-axial Force Sensor for Endoscopic Palpation in Minimally Invasive Interventions

Ivan Susič, University of Basel, Allschwil, Switzerland

Vision-Based Control of a Robotic Endoscopes

Lorin Fasel, University of Basel, Allschwil, Switzerland

The Walking Minimally Invasive Robot for Laserosteotomy

Manuela Eugster, Department Biomedical Engineering, Allschwil, University of Basel, Switzerland

ASTRAS – a Novel High Accuracy Angle Sensor for Medical Applications

Lorenzo Iafolla, University of Basel, Allschwil, Switzerland &

Massimiliano Filipozzi, University of Basel, Allschwil, Switzerland

Wireless Optical Coherence Tomography

Arsham Hamidi, University of Basel, Allschwil, Switzerland &

Ferda Canbaz, University of Basel, Allschwil, Switzerland

17:00 Special Lecture: Poet Doctors

18:30 Transfer to Wildt'sches Haus

19:00 – 23:00 Gala Dinner at Wildt'sches Haus

Kleiner Hörsaal (ZLF)

08:30 Registration

09:00 Session 3: Digital Future of Medicine / Cyber Security

A People-Centered Approach to Maxillofacial Prosthetics

David Trainer, University of Miami Jackson Memorial Medical Center, USA

Faces & Feelings: Exploring the Uncanny Valley

Samuel J. Zeichner, Centre de Radiologie Maxillo-Facial Vevey, Switzerland

Gaming for Better Diagnostics - A Game Changer for Healthcare and the Use of Personal Data

Christian Vogler, Advancience, Allschwil, Switzerland

Who Owns and Controls the Data? - Legal Dimensions of Artificial Intelligence and Questions on Access, Control, Ownership and Legal Use of Data in Digitalized Medicine

Claudia Seitz, University of Basel, Faculty of Law, Switzerland

10:00 Coffee Break

10:30 – 11:30 Table Sessions

11.30 – 12:30 Session 4: Digital Future of Medicine/ Dentistry

Title

Stefan Stübinger, Department Biomedical Engineering, Allschwil, University Basel, Switzerland

Title

Stefan Röhling, Cantonal Hospital Aarau, Switzerland

3D Printing in Cranio-Maxillo-Facial Surgery – Top or Flop?

Florian Thieringer, University Hospital Basel, Switzerland

12:30 – 13:30 Lunch

13:30 – 14:30 Session 5: Digital Future meets Humanity

Spiritual Care for Informal Caregivers – a Relief Programme in Community Care

Alexander Bischoff, University of Geneva, Switzerland

Christoph Leiggener, Cantonal Hospital Aarau, Switzerland

Craniofacial Kinetic Science MAS

Hans-Florian Zeilhofer, University Hospital Basel, Switzerland

Master Students of Craniofacial Kinetic Science

14:30 – 15:30 Table Sessions

15:30 – 16:30 Guided Tour Art Basel

Meeting Point:

Guided Tour Desk, Foyer VIP-Welcome Lounge Hall 5, Messeplatz Basel

18:00

Farewell Party

Venue:

University Hospital Basel, Garden of Holsteiner Hof, Hebelstrasse 32, Basel, Switzerland

Social Program

Memorial Service for Bernd Spiessl

Thursday, 13 June 2019, 18:30 – 19:15

Venue: Herbergsgasse 7, 4051 Basel

Get Together with Apéro Riche & Vernissage

Thursday, 13 June 2019, 19:30 – 22:00

Venue: Herbergsgasse 7, 4051 Basel

Gala Dinner

Friday, 14 June 2019, 19:00 – 23:00

Venue: Wildt'sches Haus

Guided Tour at ART Basel

Saturday, 15 June 2019, 15:30 – 16:30

Meeting Point: Guided Tour Desk, Foyer VIP-Welcome Lounge Hall 5, Messeplatz Basel

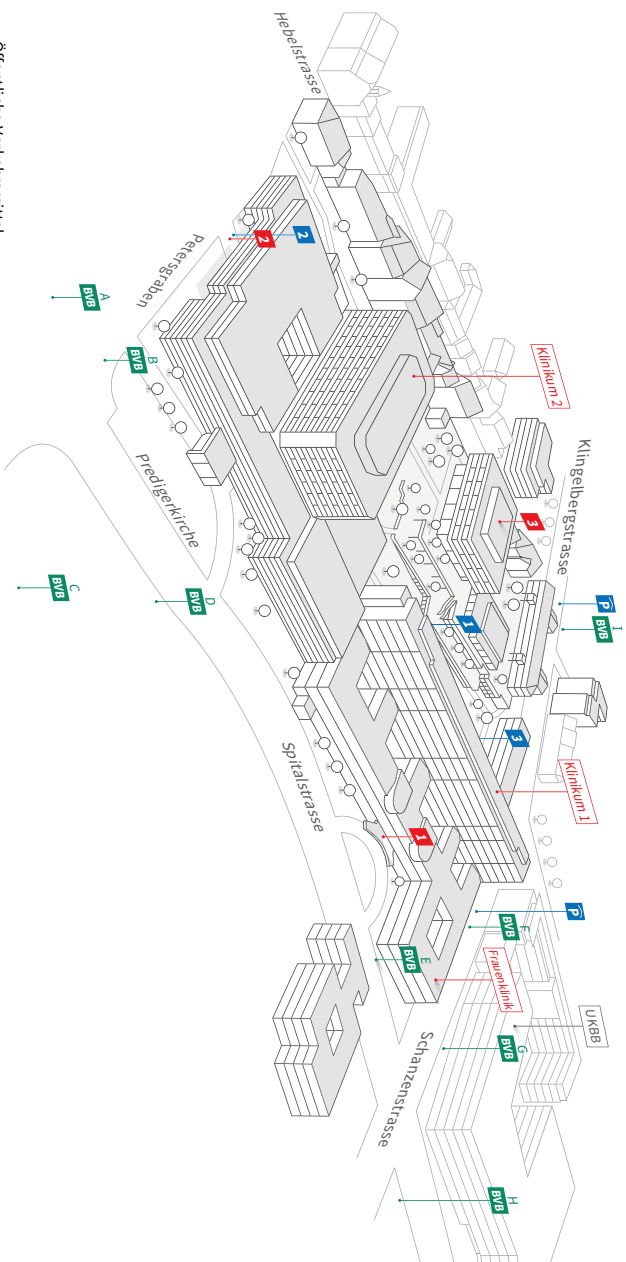
Farewell Party

Saturday, 15 June 2019, 19:00 – 23:00

Venue: University Hospital Basel, Garden of Holsteiner Hof, Hebelstrasse 32, 4056 Basel



Map of the Venue



Öffentliche Verkehrsmittel

- A Bus 31, 33, 34, 36, 38 – Universitätsspital
- B Bus 34 – Universitätsspital
- C Tram 11 – Universitätsspital
- D Bus 31, 33, 36, 38 – Universitätsspital
- E Bus 31, 33, 36, 38, 603, 604 – Kinderspital UKBB
- F Bus 30 – Kinderspital UKBB
- G Bus 30, 33 – Kinderspital UKBB
- H Bus 31, 36, 38, 603, 604 – Kinderspital UKBB
- I Bus 30, 33 – Bernoullianum

- 1 Eingang Klinikum 1, Informationsporte Spitallstrasse 21
- 2 Eingang Klinikum 2, Informationsporte Petersgraben 4
- 3 Zentrum für Lehre und Forschung (ZLF), Hebelstrasse 20
- 1 City Parking Einfahrt Schanzenstrasse oder Einfahrt Klingelbergstrasse
- 2 Ausgang Hebelstrasse, Universitätsspital Basel und ZLF
- 3 Ausgang Petersgraben, Universitätsspital Basel Klinikum 2
- 2 Ausgang Schanzenstrasse, Universitätsspital Basel Klinikum 1

CHAIR

Prof. Dr. med. Dr. med. dent. Dr. h.c.

Hans-Florian Zeilhofer

Clinic for Cranio-Maxillofacial Surgery,
University Hospital Basel
Innovation Hub, University of Basel
Allschwil, Switzerland

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Clinic for Cranio-Maxillofacial Surgery, University
Hospital Basel
Basel, Switzerland

Prof. Dr. med. dent. Carlalberta Verna

Universitäres Zentrum für Zahnmedizin Basel,
UZB, University of Basel
Basel, Switzerland

SPEAKERS

Cyrrill Bätischer

Advanced Osteotomy Tools
Basel, Switzerland

Dr. Alexander Bischoff

Adjunct Professor, Institute of Global Health
University of Geneva, Switzerland

Dr. med. Christoph Blecher

Cranioform AG
Berlin, Germany

Dr. Ferda Canbaz

Postdoc, Department of Biomedical Engineering,
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Prof. Dr. Philippe Cattin

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Prof. Dr. med. Bernard Devauchelle

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CEO & Founder,
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Narayana Medical City,
Bangalore, India

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Implants, University Basel
Allschwil, Switzerland

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Vevey, Switzerland

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Innovation Hub, University of Basel
Allschwil, Switzerland

Timo Zillig

Department Biomedical Engineering,
Smart Implants, University of Basel
Allschwil, Switzerland



6 Credit Points per day

Swiss Society of Oral and Maxillo-Facial Surgery
SSOMFS



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



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.



Katholische Universitätsgemeinde KUG • Herbergsgasse 7 • 4051 Basel
kug@unibas.ch • <http://pages.unibas.ch/kug/>

Congress President

Hans-Florian Zeilhofer

Congress Organisation

Katalin Bohner

Congress Secretariat

Face and Identity - The Digital Future of Medicine

MDPI Sustainability Foundation

St. Alban-Anlage 66

4052 Basel, Switzerland

Congress Venue

University Hospital Basel

Zentrum für Lehre und Forschung (ZLF)

Hebelstrasse 20

4056 Basel, Switzerland





Photo: Matthias Burkhalter

WE ARE HAPPY TO ANNOUNCE: 16th International Bernd-Spiessl Symposium

19 – 20 June 2019, Basel, Switzerland