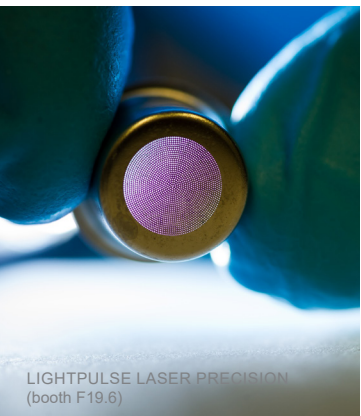


# EXHIBITOR CATALOG 2024



Bondus B.V. (booth F35.2)



LIGHTPULSE LASER PRECISION  
(booth F19.6)

Micro | Nano  
MEMS | Photonics  
Advanced Materials

November 11-14, 2024  
Hall 8a,  
Booth F19, F29, F35, F39,  
G19, H19, H23, H29

## IVAM joint booth High-tech for Medical Devices

Forum Program:



## Exhibitors of the IVAM Product Market, Hall 8a

Backer Calesco, SE	p. 4	H29.7
Beutter Präzisions-Komponenten GmbH & Co. KG, DE	p. 4	H29.5
Bondus, NL	p. 4	F35.2
Ceram Optec, DE	p. 4	F29.6
Coherent, DE	p. 4	H23.7
CorTec GmbH, DE	p. 4	H19.5
Cubic Sensor and Instrument Co., Ltd., CN	p. 5	F35.5
Dexter Magnetic Technologies, DE	p. 5	F35.8
digid GmbH, DE	p. 5	H23.3
EPIC (European Photonics Industry Consortium), FR	p. 5	F35.1
EPnP Medical GmbH, DE	p. 5	H19.4
FISBAAG, CH	p. 5	G19.7
Focuslight Technologies Inc., CN	p. 6	H23.1
Fraunhofer Institute for Electronic Nano Systems ENAS, DE	p. 6	G19.5
Fraunhofer Institute for Laser Technology ILT, DE	p. 6	F19.5
Fraunhofer Institute for Microelectronic Circuits and Systems IMS, DE	p. 6	G19.4
Fraunhofer Institute for Reliability and Microintegration IZM, DE	p. 6	H29.2
IMT Precision on Glass, CH	p. 6	G19.1
Innovative Sensor Technology IST AG, CH	p. 7	H29.1
IVAM Microtechnology Network, DE	p. 7	F29
JENOPTIK, DE	p. 7	H19.1
Jobst Technologies GmbH, DE	p. 7	H29.1
KaoLu Enterprise		
GennDih Enterprise, TW	p. 7	H23.4
KYBURZ SAPPHIRE		
Victor Kyburz AG, CH	p. 7	H23.8
LightFab GmbH, DE	p. 8	F19.8
LightPulse LASER PRECISION, DE	p. 8	F19.6
Mabuchi Motor Electromag SA, CH	p. 8	H19.7
MedPhab, FI	p. 8	H29.8
Micreon GmbH, DE	p. 8	H29.4
Microdul AG, CH	p. 8	F19.4
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MINITUBES, FR	p. 9	F29.2
OptoSigma, DE	p. 9	F29.4
PhotonHub, BE	p. 9	F35.1
Pla Giken Co., Ltd., JP	p. 9	H19.2
Specialty Coating Systems, DE	p. 9	F19.1
STATICE, FR	p. 10	F29.1
SwissOptic AG, CH	p. 10	H19.1
velixX GmbH, DE	p. 10	F35.4
VICI AG International, CH	p. 10	H23.5
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Booth Plan  
Fair Plan  
Forum Program

p. 12-13  
p. 14-15  
p. 16-23

High-tech for Medical Devices

## Welcome,

we would like to invite you to visit the IVAM joint booth "High-tech for Medical Devices" in hall 8a booth F29.

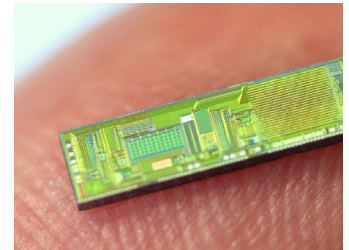


On the more than 600 m<sup>2</sup> IVAM joint area, 40 international companies and institutes of micro- and nanotechnology from eleven nations (Germany, Belgium, Switzerland, France, Finland, Sweden, Japan, Taiwan, the Netherlands, China and the USA) will present solutions for medical technology with the following key technologies:

- Microtechnology
- Nanotechnology
- MEMS
- Photonics and
- New Materials

The companies and institutes will show innovations that make medical technology products increasingly safe, affordable and reliable, such as:

- miniaturized components
- high-tech microelectronics
- innovative laser processes
- functional coatings
- smart sensors
- high-precision structuring, measuring and testing processes



Source: Fraunhofer IMS (booth G19.4)



The IVAM exhibitor catalog includes all profiles of this year's exhibitors, the program of the COMPAMED HIGH-TECH Forum by IVAM, as well as a fair plan and a booth plan and will thereby help you plan your visit in hall 8a. **We are looking forward to welcome you at the IVAM Business Lounge (F29)!**

Your IVAM Team



**Backer Calesco**  
Kolbäck, SE

H29.7

Contact:  
Josefine Rossi  
  
+46 72 240 57 55  
  
www.backercalesco.com  
josefine.rossi@backercalesco.se

- Etched foil heaters
- Flexible heaters
- Smart heaters



**Beutter Präzisions-**  
**Komponenten GmbH & Co.**  
KG  
Rosenfeld, DE

H29.5

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www.beutter.de  
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- High quality in small to medium-sized quantities
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F35.5

Contact:  
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www.gassensor.com.cn  
sales@gassensor.com.cn

- Gas Sensor Manufacturer
- Respiratory gas sensor
- OEM & ODM Medical Equipment



**Dexter Magnetic**  
**Technologies**  
Freiburg, DE

F35.8

Contact:  
Darrell Joyce  
  
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www.dexteromag.com  
djoyce@dexteromag.com

- Custom Engineered Magnetic Solutions for Healthcare
- Reliable Magnets for Medical Applications
- ISO-Certified Medical Magnets



**Bondus**  
Zwolle, NL

F35.2

Contact:  
Bas-Jan Hoogenberg  
  
+31 6 15187083  
  
www.bondus.nl  
info@bondus.nl

- Equipment for microfluidic bonding
- Contract manufacturing for microfluidic bonding
- Process development services



**Ceram Optec**  
Bonn, DE

F29.6

Contact:  
Dr. Markus Röhrner  
  
+49 228 97967 61  
  
www.ceramoptec.com  
markus.roehner@biolitec.com

- Preform
- Fiber
- Assembly



**digid**  
**digid GmbH**  
Mainz, DE

H23.3

Contact:  
Laura Donsbach  
  
+49 174 6198457  
  
www.digid.com  
info@digid.com

- Customized-BioMEMS
- Sensortechnology
- Smart-Diagnostic



**EPIC (European Photonics**  
**Industry Consortium)**  
Paris, FR

F35.1

Contact:  
Carlos Lee  
  
+32 473 300 433  
  
www.epic-photonics.com  
carlos.lee@epic-photonics.com

- Photonics
- Technology
- Networking



**Coherent**  
Dieburg, DE

H23.7

Contact:  
Martin Niehuis  
  
+49 8105 3965 4583  
  
www.coherent.com  
sales.germany@coherent.com

- Laser Marking
- Laser Welding
- Laser Cutting



**CorTec GmbH**  
Freiburg, DE

H19.5

Contact:  
Patrick Daubinger  
  
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- Development & manufacturing of active implants
- High-channel implantable electrodes in silicone
- Hermetic ceramic encapsulation



**EPnP Medical GmbH**  
Neuhausen, DE

H19.4

Contact:  
Oliver Schalk  
  
+49 160 4312983  
  
www.epnp-medical.com  
schalk@epnp-medical.com

- Engineering and Manufacturing of Medical Devices
- Engineering and Manufacturing for High-End Applications
- PCBA, Coating, CNC, Assembly



**FISBA AG**  
St. Gallen, CH

G19.7

Contact:  
Michael Huber  
  
+41 71 282 31 31  
  
www.fisba.com  
info@fisba.com

- Endoscopy
- Lasers
- Optics



**Focuslight Technologies Inc.** H23.1  
Xi'an, CN

Contact:  
Carrey Hu

+86 29 8188 9945

www.focuslight.com  
sales@focuslight.com

- High-power diode laser components and materials
- Laser optics
- Photonics solutions



**Fraunhofer Institute for Electronic Nano Systems ENAS** G19.5  
Chemnitz, DE

Contact:  
Dr. Mario Baum

+49 371 45001 261

www.enas.fraunhofer.de  
mario.baum@enas.fraunhofer.de

- Sensor Technologies for Lab-on-Chip and Organ-on-Chip
- Micromachined Ultrasound Transducers
- CNT-based Biosensors and more



**Innovative Sensor Technology IST AG** H29.1  
Ebnat-Kappel, CH

Contact:  
Gihye Kaiser

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info@ist-ag.com

- Flow & Density Sensors, gas analyzers and Incubators
- Conductivity & Temperature Sensors, Haemodialysis
- Force Sensors, fetal monitors



**IVAM Microtechnology Network** F29  
Dortmund, DE

Contact:  
Orkide Karasu

+49 231 9742 7086

www.ivam.de  
b2b@ivam.de

- Micro/Nanotechnology and Advanced Materials Network
- International Business Contacts
- Technology Marketing



**Fraunhofer Institute for Laser Technology ILT** F19.5  
Aachen, DE

Contact:  
Dr. Achim Lenenbach

+49 241 8906 124

www.ilt.fraunhofer.de  
achim.lenenbach@ilt.fraunhofer.de

- Microfluidic sensors and sorters
- Handpieces for laser treatment
- UV and plasma surface steriliz



**Fraunhofer Institute for Microelectronic Circuits and Systems IMS** G19.4  
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Daniela Hofmann

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sales@ims.fraunhofer.de

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- Optical biosensor systems for In-situ Diagnostics
- Non-invasive Healthcare



**JENOPTIK** H19.1  
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Maximilian Kositz

+49 162 2745505

www.jenoptik.com  
maximilian.kositz@jenoptik.com

- Solutions for life science and medical technology
- Customized development and production
- Enabling diagnostics & therapy



**Jobst Technologies GmbH** H29.1  
Freiburg im Breisgau, DE

Contact:  
Dr. Michael Gasteyer

+49 761 5577 520

www.jobst-technologies.com  
michael.gasteyer@ist-ag.com

- Biosensors
- Glucose
- Lactate



**Fraunhofer Institute for Reliability and Microintegration IZM** H29.2  
Berlin, DE

Contact:  
Georg Weigelt

+49 30 46403 279

www.izm.fraunhofer.de  
georg.weigelt@izm.fraunhofer.de

- Technologies for Bioelectronics
- Wearable & Conformable Electronics
- Electronic Packaging



**IMT Precision on Glass** G19.1  
Greifensee, CH

Contact:  
Dr. Tobias Bauert

+41 44 943 19 00

www.imtag.ch  
tbauert@imtag.ch

- Microfluidics
- Microstructuring
- Optical calibration solutions



**KaoLu Enterprise** H23.4  
GennDih Enterprise  
Taichung, TW

Contact:  
Jerry Wu

+886 4 24874211

www.genndih.com  
jerry.genndih@gmail.com

- Proportional pressure regulator
- Electronic flow control valve
- Proportional pinch valve



**KYBURZ SAPPHIRE** H23.8  
Victor Kyburz AG  
Safnern, CH

Contact:  
Lea Unterrassner

+41 32 355 24 22

www.kyburz-sapphire.ch  
sales@kyburz-sapphire.ch

- Optical components
- Microlenses Sapphire
- Functional Sapphire Windows





**LightFab GmbH**  
Aachen, DE

F19.8

Contact:  
Jens Gottmann  
+49 241 91385401

www.lightfab.de  
j.gottmann@lightfab.de

- Ultrafast laser machines
- Fabrication service 3D micro structured glass
- 3D Printer for Glass



**LightPulse LASER PRECISION**  
Stuttgart, DE

F19.6

Contact:  
Dr. Christian Freitag  
+49 160 99802302

www.light-pulse.de  
info@light-pulse.de

- Femtosecond laser processing service
- Process development and contract manufacturing
- Microprocessing



prime  
optic systems

**mikrop AG**  
Wittenbach, CH

F29.3

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+41 71 292 1581

www.mikrop.com  
immo.knoepfel@mikrop.com

- Micro optics / endoscopy
- Micro objectives / micro lenses
- Micro imaging / micro camera



**MINITUBES**  
Grenoble, FR

F29.2

Contact:  
Laure Nguyen  
+33 4 56 58 58 84

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l.nguyen@minitubes.com

- Small tubes high technology
- Probe
- In vitro diagnostic



**Mabuchi Motor Electromag SA**  
Ecublens, CH

H19.7

Contact:  
Thomas Borter  
+41 79 901 50 08

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t.borter.wud@mabuchi-motor.com

- Brushless DC motors
- DC motors
- Rolling pumps



**MedPhab**  
Oulu, FI

H29.8

Contact:  
Dr. Christina Liedert  
+358 040 5133894

www.medphab.com  
christina.liedert@vtt.fi

- Photonics
- Medical Device
- Pilot manufacturing



**OptoSigma**  
Munich, DE

F29.4

Contact:  
Axel Haunholter  
+49 151 12301488

www.OptoSigma.com  
sales@optosigma-europe.com

- Optics
- Optomechanics
- Objective lens



**PhotonHub**  
Brussels, BE

F35.1

Contact:  
Nathalie Debaes  
+32 269 1018

www.photonhub.eu  
ndebaes@b-phot.org

- Photonics
- Training & skills
- Test-before-invest technology



**Micreon GmbH**  
Hannover, DE

H29.4

Contact:  
Dr. Günter Kamlage  
+49 511 277 20 30

www.micreon.de  
info@micreon.de

- Laser Micro Machining
- Laser Job Shop
- Ultrafast Lasers



**Microdul AG**  
Zürich, CH

F19.4

Contact:  
Adrian Stalder  
+41 44 455 35 12

www.microdul.com  
adrian.stalder@microdul.com

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- From active implants to fully assembly of complex equip
- Electronic miniaturisation



**Pla Giken Co., Ltd.**  
Suita, Osaka, JP

H19.2

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Hiroki Iwai  
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www.plagiken.co.jp  
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F19.1

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scssales@scscoatings.com

- Conformal Coatings
- Biocompatible Coatings
- Parylene Conformal Coatings



**STATICE**  
Besançon, FR

F29.1

Contact:  
François Tattu  
+33 0683 65 23 94

www.statice.com  
f.tattu@statice.com

- R&D - Regulatory Affairs - Contract Manufacturing
- Catheter based devices - Implants - Systems assembly
- ISO13485 - Clean room ISO7



A member of the JENOPTIK Group

**SwissOptic AG**  
Heerbrugg, CH

H19.1

Contact:  
Katarina Sunic  
+41 71 747 04 63

www.swissoptic.com  
swissoptic@swissoptic.com

- Development partner
- High precision optical measurement systems



**velixX GmbH**  
Mannheim, DE

F35.4



**VICI AG International**  
Schenkon, CH

H23.5

Contact:  
Marc Augstein  
+49 621 437 08 001

www.velixX.com  
mail@velixx.com

- Productdevelopment
- In-vitro-Diagnostic
- Microfluidic

Contact:  
Santino Scrima  
+41 41 925 6220

www.vici.com  
santino.scrima@vici.ch

- Tool for Science and Medicine
- Valves and Accessories for Chromatography
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Stadt Dortmund  
Wirtschaftsförderung



**Wirtschaftsförderung**  
**Dortmund**  
Dortmund, DE

F29

Contact:  
Julia Jäger  
+49 231 50 2 48 21

www.wirtschaftsfoerderung-dortmund.de/  
international  
jjaeger@stadtdo.de

- Innovation Network
- Production Technology
- Cooperation & Expansion

# EUROPE meets USA - Part V

## HIGH-TECH FOR MEDICAL DEVICES

**NOV. 13, 2024**

at COMPAMED / MEDICA

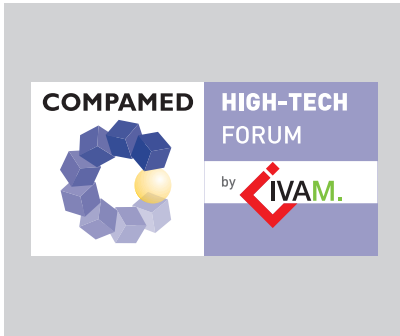
**FREE**  
for trade visitors



Thanks to our Business Partners:



**G40**



**F39**

Storage
Meeting Room

**F35**

<b>F35.8</b> Dexter Magnetic Technologies	<b>F35.1</b> EPIC & PhotonHub
Storage	<b>F35.2</b> Bondus
<b>F35.5</b> Cubic	<b>F35.4</b> velixX

**H29**

<b>H29.4</b> Microon	<b>H29.5</b> Beutter
Storage	<b>H29.7</b> Backer Calesco
<b>H29.2</b> Fraunhofer IZM	
<b>H29.1</b> Jobst Technologies & IST	<b>H29.8</b> MedPhab

**H23**

<b>H23.4</b> KaoLu Enterprise	<b>H23.5</b> VICI AG International
<b>H23.3</b> digid	<b>H23.7</b> Coherent
Storage	<b>H23.1</b> Focuslight Technologies
<b>H23.8</b> KYBURZ SAPPHIRE	

**H19**

<b>H19.4</b> EPnP Medical	<b>H19.5</b> CorTec
<b>H19.2</b> PLA GIKEN	Meeting Room
	<b>H19.7</b> Mabuchi Motor Electromag
<b>H19.1</b> Jenoptik & SwissOptic	

**F29**

<b>F29.1</b> Stattice	<b>F29.2</b> MINITUBES	<b>F29.3</b> mikrop
IVAM BUSINESS LOUNGE		
<b>F29.6</b> Ceram Optec	IVAM Office	<b>F29.4</b> OptoSigma

**G19**

<b>G19.1</b> IMT Masken und Teilungen	Storage	<b>G19.4</b> Fraunhofer IMS
<b>G19.7</b> FISBA	<b>G19.5</b> Fraunhofer ENAS	

**F19**

<b>F19.1</b> Specialty Coating Systems	Storage	<b>F19.4</b> Microdul
<b>F19.8</b> LightFab	<b>F19.6</b> LightPulse	<b>F19.5</b> Fraunhofer ILT


## IVAM – The International Microtechnology Business Network

IVAM connects professionals in the high-tech industries and supports them in bringing innovative technologies and products to market and gaining a competitive edge in international competition.




www.ivam.com

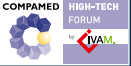
CONTACT:  
Orkide Karasu  
**b2b@ivam.de**  
+49 231 9742 168




www.medica.de




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Hall 8a G40




Hall 1 G37




Hall 13 A59




Hall 13 E63




CCD South




CCD South




Hall 12 A71




Hall 8b G40




Hall 9 D10




Hall 13 A33




Hall 13 D77



Hall 4 D58




Hall 13 C04



Hall 12 E59

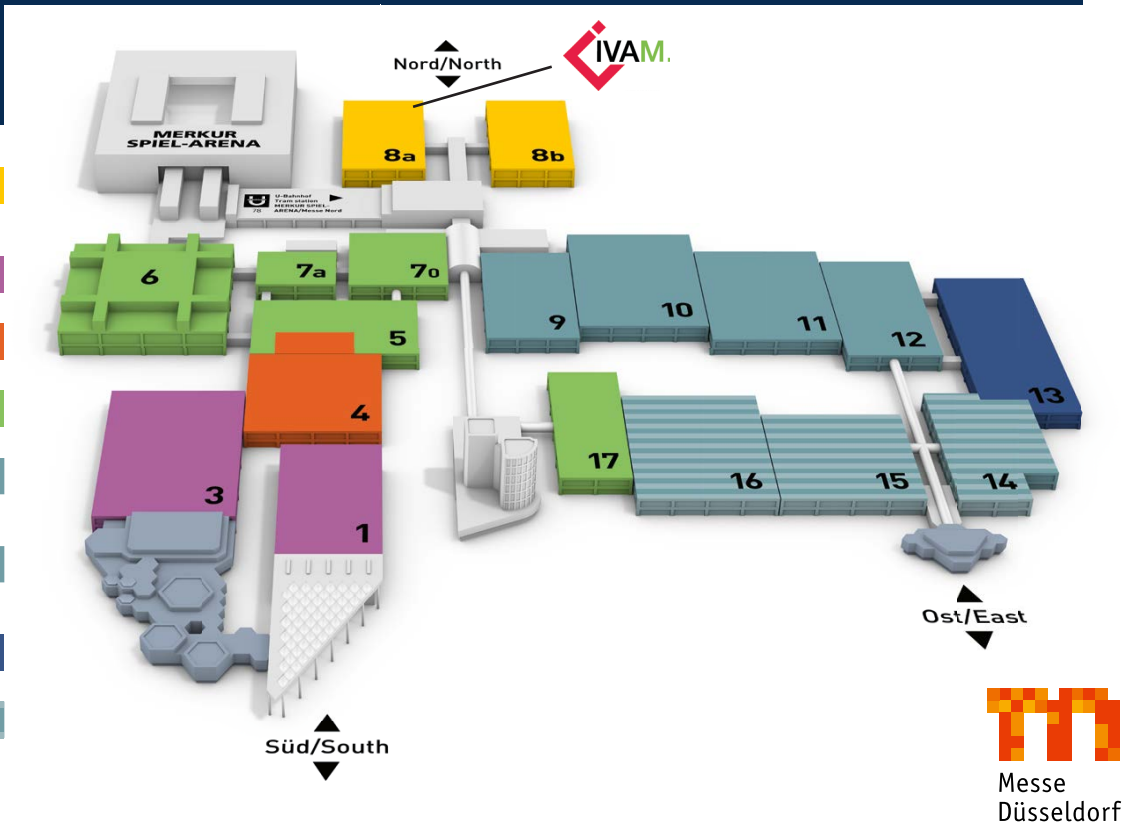
**DÜSSELDORF, GERMANY**  
**11–14 NOVEMBER 2024**

Monday – Thursday 10.00 a.m. – 6.00 p.m.

Members of  MEDICAlliance

As of: September 23, 2024

- Halls 8a, 8b**
- COMPAMED – High-tech solutions for medical technology
- Halls 1, 3**      **LAB & DIAGNOSTICS**
- Laboratory equipment/diagnostic tests
- Halls 4, 5**      **PHYSIO TECH**
- Physiotherapy/orthopaedic technology
- Halls 5, 6, 7a, 7.0, 17**      **DISPOSABLES**
- Disposables and consumables
- Halls 9, 10, 11**      **MED TECH & DEVICES**
- Imaging and diagnostics/medical equipment & devices
- Hall 12**      **MED TECH & DEVICES**
- Hospital equipment, care equipment, operating technology and operating equipment
- Hall 13**      **DIGITAL HEALTH**
- IT systems and IT solutions
- Halls 14, 15, 16**      **MED TECH & DEVICES**
- Imaging and diagnostics/medical equipment and devices
- National and international joint participants



## MONDAY, NOVEMBER 11

11:05 *Opening*

Global Regulatory Strategies for Medical Devices: Navigating MDR Compliance in the EU and U.S. Market Entry

Session Chairs:

Erik Jung,

Fraunhofer Institute for Reliability and Microintegration IZM, Berlin, DE

Dr. Victoria Jakobi,

IVAM Microtechnology Network, Dortmund, DE

11:15 *From Concept to Compliance: Streamlining Medical Device Development, Manufacturing and Regulatory Pathways***Stephan Hüwel**, Jüke Systemtechnik, Altenberge, DE**Dr. Jens Waldmann**, adjutem GmbH, Bad Zwischenahn, DE11:45 *Navigating U.S. Market Entry: Leveraging IVD Service Providers for Compliance and Device Integration***Dr. Patrick Vaughan**, DCN Dx, Carlsbad, US

12:05 Break

## Smart Sensor Solutions

Session Chairs:

Erik Jung, Fraunhofer IZM, Berlin, DE

Dr. Victoria Jakobi, IVAM Microtechnology Network, Dortmund, DE

12:10 *Innovations in Wearable Patches for Healthcare – from Wound Management to Elderly Care***Erik Jung**, Fraunhofer IZM, Berlin, DE12:30 *Active Implantable Technologies - for Neuro and Beyond***Patrick Daubinger**, CorTec GmbH, Freiburg, DE12:50 *Innovative Magnetic Solutions for Medical Implants & Devices***Darrell Joyce**,

Dexter Magnetic Technologies, Elk Grove Village, US

13:10 *Sensor Technologies for Lab-On-Chip and Organ-On-Chip Platforms***Andreas Morschhauser**, Fraunhofer Institute for Electronic Nano Systems ENAS, Chemnitz, DE13:30 *Smart Technologies for Neural Implants***Kira Heinrich**, Fraunhofer Institute for Microelectronic Circuits and Systems IMS, Duisburg, DE13:50 *Continuous Biosensors in Critical Care Applications: Lactate, Glucose and Beyond***Dr. Michael Gasteyer**,

Jobst Technologies GmbH, Freiburg, DE

14:10 *Conformal Coating Choices for Advanced Medical Devices*  
**Aaron Clark**, Specialty Coating Systems - World Headquarters, Indianapolis, US14:30 *How Quantum Magnetic Field Sensors Enable a New Type of Human-Machine-Interface***Dr. Katharina Jag-Lauber**, Q.ANT GmbH, Stuttgart, DE14:50 *Reliable Mass Flow Measurement and Critical No-Flow Detection in Liquids and Gases***Zuzana Pronayova**, Innovative Sensor Technology IST AG, Ebnat-Kappel, CH15:10 *Influence of Polyurethane Chemistry Microstructure on Biosensors and Foreign Body Response***Aylvin Dias and Jayme Paullin**, dsm-firmenich, Geleen, NL15:30 *Ultra Low Power Vital Sign Sensor System with RTL5***Chihcheng Lu**, Biosensetek, Morristown, US15:50 *Smallest Sensors for Greatest Innovation: The Future of Nanotechnology in Smart Sensors***Dr. Konstantin Kloppstech**, digid GmbH, Mainz, DE16:10 *tba***Belinda Tong**,

Cubic Sensor and Instrument Co. Ltd., Wuhan, CN

16:30 End of Session

## TUESDAY, NOVEMBER 12

Laser and Photonics Applications - EPIC Tech Watch

Session Chair:

Antonio Castelo

EPIC – European Photonics Industry Consortium, FR

10:40 *Driving Life Sciences Innovation Through Optical Solutions*  
**Josip Lucic**, FISBA AG, St. Gallen, CH11:00 *Applications for Micro-Optics in Life Science***Auri Ripoll**, Focuslight Technologies Inc., Xi'an, CN11:20 *Enhancing the Future of Microscopy: Collaborative Venture with Osaka University's AMATERAS Initiat***Axel Haunholter**, OptoSigma Europe SAS, Munich, DE11:40 *Laser Based Manufacturing in Medical Product Development*  
**Maximilian Brosda**, Fraunhofer Institute for Laser Technology ILT, Aachen, DE12:00 *Emerging AM Technologies: Potential Solutions for the Future of Medical Technology?***Dr. Chóngliàng Zhòng**,

Fraunhofer Institute for Manufacturing Technology and Advanced Materials IFAM, Dresden, DE



- 12:20 *Biophotonics: From Concept to Accelerated Product Development with MedPhab*  
**Ray Burke**, Tyndall National Institute, Cork, IE
- 12:40 *Miniaturized LED Solutions for Endoscopic Applications*  
**Dr. Wolfgang Huber**, Chips 4 Light GmbH, Sinzing, DE
- 13:00 *When Photonics meets Micro-Assembly*  
**Isabelle Faggianelli**, PERCIPIO ROBOTICS, Besancon, FR
- 13:20 *One Tool, Many Possibilities – Microprocessing with Ultrafast Lasers*  
**Dr. Christian Freitag**, LightPulse LASER PRECISION, Stuttgart, DE
- 13:40 *Miniaturized Photonics Components for Spectral Sensing in the Medical Field*  
**Dr. Ljiljana Durdevic**, HAMAMATSU PHOTONICS, Massy Cedex, FR
- 14:00 *Temperature Control in Lasers and Medical Equipment Using Coolant-Free Liquid Chillers*  
**Reinhard Sottong**, Ferrotec Europe GmbH, Unterensingen, DE
- 14:20 *Seamless Integrations of Miniaturized Optical Systems to Unleash Innovative and Multifunctional Capabilities in Medical Devices' Manufacturing*  
**Renato Mutton**, FEMTOprint SA, Agno, CH
- 14:40 *Enhanced Diagnostics in Surgery with Multispectral Illumination & Imaging – MS-I2*  
**Hannes Weise**, JENOPTIK Optical Systems GmbH, Jena, DE
- 15:00 *tba*  
**Antonio Gomes**, OptaSensor GmbH, Nuremberg, DE
- 15:20 Break



IVAM Focus Group Session: Microfluidics Session Part I: Integration and Combination of Microfluidic Components Generating Solutions for Life Sciences

Session Chair:

Florian Siemenroth  
Bartels Mikrotechnik GmbH, Dortmund, DE

- 15:40 *Functionalized Microfluidic Devices*  
**Dr. Thomas Kuckelhorn**, SCHOTT Technical Glass Solutions GmbH | SCHOTT Minifab, Jena, DE
- 16:10 *Where Photonics meet Microfluidics - Glass Flow Cells for Life Sciences*  
**Dr. Anton Malovichko**, IMT Masken und Teilungen AG, Greifensee, CH
- 16:30 *Low Cost  $\mu$ -fluidic Cartridges for High Volume In-Vitro Diagnostics*  
**Marc Augstein**, velixX GmbH, Mannheim, DE
- 16:50 *Hollow Microneedle Fabrication and Characterization for Interstitial Fluid Extraction in Minimally Invasive Biosensors*  
**Tom Enderlein**, Fraunhofer Institute for Electronic Nano Systems ENAS, Chemnitz, DE
- 17:10 *Hands-on-Session*  
**Florian Siemenroth**, Bartels Mikrotechnik GmbH, Dortmund, DE  
**Dr. Claudia Gärtner**, microfluidic ChipShop GmbH, Jena, DE  
**Dr. Elfi Töpfer**, microfluidic ChipShop GmbH, Jena, DE

17:30 End of Session

### WEDNESDAY, NOVEMBER 13

- 10:25 *Opening*  
**Dr. Jens Ebnet**, Ebnet Medical GmbH, Schwerin, DE  
**Dr. Victoria Jakobi**, IVAM Microtechnology Network, Dortmund, DE

### Europe meets USA - High-Tech for Medical Devices

Session Chairs:

Dr. Jens Ebnet  
Ebnet Medical GmbH, Schwerin, DE  
Dr. Susette Germer  
MedTech Project Consultant, Leipzig, DE  
Dr. Victoria Jakobi  
IVAM Microtechnology Network, Dortmund, DE  
Dr. Jana Schwarze  
IVAM Microtechnology Network, Dortmund, DE

- 10:35 *An Overview of the US Healthcare Devices Market*  
**Jun Peng**, P&L Scientific Inc., Coral Gables, US
- 10:50 *Navigating Medical Device Markets: Synergies Between the EU, UK, and Switzerland*  
**Ludger Moeller**, MDSS USA LLC, Chicago, US
- 11:05 *31 Flavors of Coatings: The Importance of Selecting the Right Coating for Your Medical Device*  
**Todd Paulsen**, Formacoat, Chaska, US
- 11:20 *World Leader in Auto Retraction Safety Injection, IV Catheters and Blood Collection Devices*  
**Russell Kuhlman**, Retractable Technologies Inc, Little Elm, US
- 11:35 *Building the Future: Manufacturing IoT-Enabled Medical Devices*  
**Albert van de Liefvoort**, Providence Enterprise, Newport Beach, US
- 11:50 *Never Miss a Beat: Body-Worn AI, Faster and Safer*  
**Giancarlo Candela**, Ambiq Micro, Inc., Austin, US
- 12:05 *Advancing POC/OTC Diagnostics: Innovations in Test Development for New Co-Dx PCR Platform*  
**Seth Egan**, Co-Diagnostics, Inc. (Co-Dx), Salt Lake City, US
- 12:20 *Evolution of Point of Care Testing Hosted by Solventum*  
**David Franta**, Solventum, St. Paul, US
- 12:35 *Innovative/Disruptive Technologies for Ultrafast Detection of all Human Cancers from Liquid Biopsy and Instant Detection of Infectious and Pandemic Diseases from Saliva*  
**Dr. Ramesh Babu**, InteGen LLC and RVDS LLC, Orlando, US
- 12:50 *Wireless Video Solutions for the OR*  
**Dr. Uri Kanonich**, Teradek Medical, Irvine, US
- 13:05 *High Performance Magnetics for Medical Therapies*  
**Darrell Joyce**, Dexter Magnetic Technologies, Elk Grove Village, US
- 13:20 *Sustainability Through Collaboration and Material Innovations*  
**Dr. Ned Burnett**, Saint-Gobain, Brighton, US
- 13:35 *Optical Filters: Small Components, Big Impact*  
**Almut Bailly**, Chroma Technology GmbH, Bellows Falls, US
- 13:50 *Specialty Optical Fibers for Minimal Invasive Diagnostic and Treatment - Imaging, Sensing, and Power Delivery Via One Fiber*  
**Udo Fetzer**, OFS Fitel, LLC, Norcross, US



- 14:05 *Humphrey Products - Pneumatic & Fluid Control Experts*  
**Hubbard Humphrey**, Humphrey Products, Kalamazoo, US
- 14:20 *Improving the Success Rates of Processing Non-Invasive Samples*  
**Randy Nagy**, Gentueri Inc., Verona, US
- 14:35 *Thermal Time-Of-Flight Oxygen Sensors and Applications for Medical Devices*  
**Dr. Liji Huang**, Siargo Ltd, Santa Clara, US
- 14:50 *Bridging the Gap in High Tech Micro Molding Solutions*  
**Alex Anderson**, Accumold, Ankeny, US  
**Emmet Hanly**, Avem, Galway, IE
- 15:05 *Wearable Electrodes for Analytics*  
**Jonathan Knotts**, Creative Materials Inc, Ayer, US
- 15:20 *Improving Your Wearables One Layer at a Time*  
**Aditi Subramanian**, Flexcon Company Inc., Spencer, US  
**Amit Roy**, Flexcon Company Inc., Spencer, US
- 15:35 *Advance Technologies in Orthopaedic Casting*  
**Dr. Pankajkumar Chhatrala**, OrthoHeal Inc, Coppel, US
- 15:50 *End to End Silicone Solutions for Medical Device Market*  
**Agnes Berman Pivnik**, QMD, Pepper Pike, US
- 16:05 *Designing with Silicone*  
**Jocelyn Piccolo**, Avantor - NuSil, Carpinteria, US
- 16:20 *Versatile Polymers for Healthcare: TPE, PVC and Sustainable Solutions*  
**Derek Laffey**, Teknor Apex Company, Pawtucket, US
- 16:35 *Exploring PVC and Emerging Non-PVC Materials for Medical Applications*  
**Dr. Jan-Pleun Lens**, Cooley Group, Pawtucket, US
- 16:50 *Advancing Catheter Manufacturing: The Role of Coated Mandrels*  
**Kyle Hedges**, Applied Plastics LLC, Norwood, US

17:05 *Sustainable Alternatives for PFAS Based Materials in Medical Devices*  
**Harold Smelt**, dsm-firmenich, Exton, US

17:20 *Unlocking New Frontiers: Revolutionary Noninvasive Neuromodulation for Psychiatric Disorders, Insomnia, and Pain*  
**Brian Burke**, Electromedical Products International, Inc., Mineral Wells, US

17:35 End of Session  
**Dr. Jens Ebnet**, Ebnet Medical GmbH, Schwerin, DE  
**Dr. Victoria Jakobi**, IVAM Microtechnology Network, Dortmund, DE

17:45 Opening Networking Europe meets USA: Networking, Snacks and Drinks in the IVAM Lounge (Hall 8a, booth F29) (participation free of charge for exhibitors and visitors)  
**Ryan Klemm**, Messe Düsseldorf North America, Chicago, US  
**N.N.**, IVAM Microtechnology Network, Dortmund, DE

19:00 End of Networking

**THURSDAY, NOVEMBER 14**

**Microfluidics Session Part II: Stairway to Analytical Heaven – From Prototype to Viable Lab-On-A-Chip Product**

**Session Chairs:**

**Dr. Claudia Gärtner**  
microfluidic ChipShop GmbH, Jena, DE

**Dr. Elfi Töpfer**  
microfluidic ChipShop GmbH, Jena, DE

11:00 *Easy Scaling: A new Bonding Technology for Fast and Scalable Manufacturing of Microfluidics*  
**Bas-Jan Hoogenberg**, Bondus B.V., AW Zwolle, NL

11:20 *Scaling up Lab-On-A-Foil Production of Consumables for Invitro Diagnostics Applications*  
**Ulrich Trog**, JOANNEUM RESEARCH Forschungsgesellschaft mbH, Graz, AT

11:40 *The Microfluidics Innovation Hub: Microfluidic Product Development from Design to Prototype to Product*  
**Dr. Divesh Baxani Kamal**, Microfluidics Innovation Hub, Graz, AT

12:00 *Versatility of R2R Imprint Processes for Biomedical Application*  
**Dr. Jan Robert Kafka**, Inmold A/S, Nivå, DK

12:20 *Completing the Fluidic Handling Puzzle*  
**John Watson**, LEE Ventus (Part of The Lee Company), Cambridge, GB



12:40 *Design Your Lab – Standardization Considerations in Microfluidic Component Development*  
**Dr. Claudia Gärtner**, microfluidic ChipShop GmbH, Jena, DE  
**Dr. Elfi Töpfer**, microfluidic ChipShop GmbH, Jena, DE

13:00 Break

**Medical Technology from Tokyo**

**Session Chair:**

**Ryo Tsuchiya**  
Deloitte Touche Tohmatsu LLC, Tokyo, JP

13:30 Opening and Greeting  
**Deloitte Tohmatsu**, Deloitte Tohmatsu  
**Tokyo Metropolitan Government**, Tokyo Metropolitan Government

13:35 *Sensor for Skin Cancer Diagnostic Device*  
**Moe Tanaka**, SEMITEC Corporation Co. Ltd., Tokyo, JP

13:40 *Chukoh Products for Endoscopes and Catheters*  
**Nobuaki Oshima**, Chukoh Chemical Industries Co. Ltd., Tokyo, JP

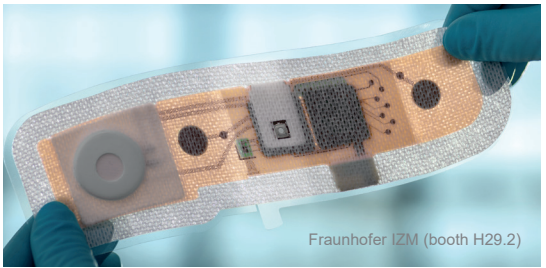
13:45 *Solution for "Fixation"*  
**Kosuke Chiba**, ALCARE Co., Ltd., Tokyo, JP

13:50 Reception and free Networking with Tokyo Pavilion Exhibitors  
**Tokyo Pavilion exhibitors and all attendees**

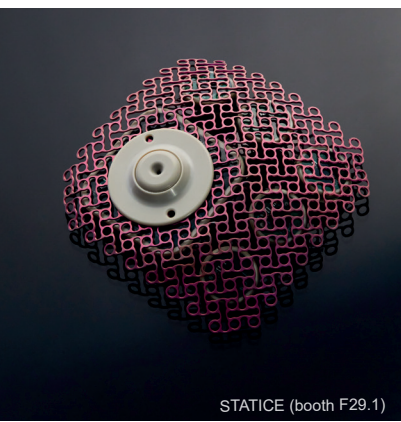
14:30 Closing  
**Tokyo Metropolitan Government**, Tokyo Metropolitan Government



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Fraunhofer IZM (booth H29.2)



STATICE (booth F29.1)

## Further Information

IVAM Product Market  
High-tech for  
Medical Devices

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## Business Partners:



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