

Lab Automation Symposium

30th October 2014

FESTO

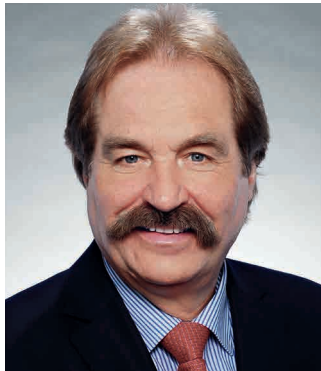
Participation
free

Invitation

Biomarker, biobanking, specimen archiving, personalised medicine, in support of therapy, research and discovery are the keywords, when discussing cost effective automation concepts for human and molecular diagnostics. The symposium will look at the entire perspective of these topics.

Note: the symposium will be held in English.

Lab Automation Symposium



Wolfgang Trautwein
MedLab Business Development
Festo AG & Co. KG

Dear Ladies and Gentlemen,

Festo cordially invites you to its **2nd Lab Automation Symposium**.

As a strategic partner for machine builders and companies in the field of life science, it is the focus of Festo to work together with traditional industry focused customers and research institutes to maximise the automation potential of biotechnology applications, the new fields of diagnostics and molecular biological research by developing application-specific products and system solutions.

In the age of high throughput methods and „omics“ – in other words, technologies such as genomics, proteomics and transcriptomics – users of biotechnology/biomedical methods are able to access **completely new possibilities in the field of personalized diagnostics** and the personalized treatment of patients. Today, it is still necessary to prepare and process large numbers of specimens manually. Here, biotechnology/medical research will in future **benefit from the field of automation technology**. The in-lab processes which are today performed laboriously by hand will in future be standardised and performed with greater efficiency and reproducibility with the development and utilisation of automation technology.

For the Festo Symposium, we have compiled an **exciting program** which covers the complete path taken by biological/medical specimens – starting with the identification of the relevant biomarkers through to validation, use in personalized medicine and an innovative method for sample archiving in the field of biobanking.

Learn about the enormous development potential which laboratory automation offers you, **discuss your experiences and visions for the future** actively in our „World Café“ or take new impetus from the Bio- and Nano-Seminar for your engineering for your upcoming development projects. You can get to know practical examples of laboratory automation on the exhibition stands of different companies and on the tour of the Festo factory.

Join us in experiencing the trends of the future!



Welcome in the Technology Centre at Festo!

Looking forward to an exciting and informative day which, in addition, is offering the opportunity to establish new contacts and extend your network.

Depending on your special interest, the afternoon part of the symposium will offer you different ways to gain information. After the presentations and the panel discussion you have the choice of a **guided tour of the Festo factory**, a **seminar with Professor Heller** or a visit to the **World Café**. In the cafe, you can discuss the matters of the day in a constructive atmosphere. The day will be rounded off with a relaxed get together party with delicious finger food.

P.S.: You are of course free to visit the exhibition at any time throughout the day.



Agenda

- 8:30 **Arrival of the participants** and tour of the exhibition
- 10:00 **Welcome and opening speech**

Biomarkers

- 10:20 **Rapid Isolation and Detection of DNA/RNA Biomarkers from Blood – Quest for Liquid Biopsy Cancer Diagnostics**
Prof. Dr. Michael Heller, Depts of Bioengineering and Nanoengineering, University of California, San Diego, USA
- 10:40 **Personalized Medicine a new avenue for Laboratory Medicine and Diagnostics Industry**
Prof. Maurizio Ferrari, Ospedale San Raffaele, Milano, Head European Society for Predictive Medicine, Italy
- 11:00 **RIBOLUTION – The smart way to validated diagnostic biomarkers**
Andreas Traube, Fraunhofer IPA, Stuttgart, Germany

Biobanking and Personalised Medicine

- 11:20 **The urgent need for progress in innovative solutions in the field of Biobanking**
Prof. Berthold Huppertz, Director and CEO Biobank Graz, Medical University Graz, Austria
- 11:40 **Automation with air! TTP Labtech's approach to biobanking and sample management**
James Craven, TTP Labtech, UK
- 12:00 Lunch Break and Visit to the Exhibition
- 13:10 **Cryotubes for Biobanking – Meeting the Requirements of High Throughput Sample Storage**
Dr. Sven Muehlfriedel, Manager Cell Culture Group, Greiner BioOne GmbH, Frickenhausen, Germany
- 13:30 **Superconductive Automation Components enable new approaches and solutions**
Georg Berner, Head of Strategic Business Development, Festo AG & Co. KG, Germany

From practical experts for practical users

- 13:50 **The Petrijet platform technology – an innovative device for automated culture dish handling and associated processes**
Felix Lenk, TU Dresden, Germany
- 14:10 **Working with Festo – From Brainstorming to Solution**
Gavin Clarke, A. Hettich GmbH, Tuttlingen, Germany
- 14:30 **Automated solutions for high throughput DNA extractions and SNP genotyping**
Dr. Dietrich Koester, LGC Genomics, UK
- 14:50 **Podium Discussion**
- 15:50 Coffee Break

Optional program

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| 16:15 | World Café >>> or >>> Seminar >>> or >>> Festo Company Tour | | | |
| | <table border="0" style="width: 100%;"> <tr> <td style="width: 33%; vertical-align: top;"> Personalized Medicine/Companion Diagnostics
 Prof. Maurizio Ferrari,
 Ospedale San Raffaele,
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 Prof. Michael Heller,
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 Rapid Prototyping
 Application Center </td> </tr> </table> | Personalized Medicine/Companion Diagnostics
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| 17:00 | Get Together | | | |
| All day | Support exhibition with Festo partners | | | |

Note: Presentations are held in English Language

Your registration

Simply complete the form by 16.10.2014 and return it by fax to: +49 711 347-54-50885
or online at www.festo.com/labsymposium

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Registration Lab Automation Symposium

Thursday, October 30, 2014

Venue: Festo TechnologieCenter, Rüter Strasse 82, 73734 Esslingen, Germany

Please select for the afternoon program one additional agenda topic:

Participation on the World Café Participation on the Seminar Participation at the Festo Company Tour



Experience a whole day of exciting topics with well-known speakers and representatives from industry

Biomarkers

Prof. Michael Heller, UCSD, USA

Prof. Maurizio Ferrari, Ospedale San Raffaele, Milano, Italy

Andreas Traube, Fraunhofer IPA, Stuttgart, Germany

Biobanking and Personalised Medicine

Prof. Berthold Huppertz, Medical University Graz, Austria

Dr. Sven Muehlfriedel, Greiner BioOne GmbH, Germany

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From practical experts for practical users

A. Hettich GmbH, Tuttlingen, Germany

LGC Genomics, United Kingdom

Technische Universität Dresden, Germany