# Workshop on Biosensors, Aptasensors and Microbial Detection

1-2 June 2016

Linköping University, Sweden

## Program

### Day 1 - 1st of June 2016

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08.30-09.00</td>
<td>Registration</td>
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<tr>
<td>09.30-10.00</td>
<td>Opening Session – Chair: Valerio Beni</td>
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| 09.00-09.45| Welcome and Introduction to LiU and work at the Biosensors and Bioelectronics Centre  
*Anthony Turner*
Biosensors and Bioelectronics Centre, Department of Physics, Chemistry and Biology (IFM), Linköping University, 58183 Linköping, Sweden  
| 09.45-10.15| Introduction to Project  
*Valerio Beni*
Acroo Swedish ICT AB, Norrköping, Sweden  
*V. Cengiz Özalp*
Istanbul Kemerburgaz University, School of Medicine, Istanbul, Turkey  
| 10.15-10.45| Plenary Talk 1  
*V. Cengiz Özalp*
Istanbul Kemerburgaz University, School of Medicine, Istanbul, Turkey  
“Aptamer selection for E. Coli and Salmonella”  
| 10.45-11.15| Coffee Break & Fika                                                  |

### Session 1 - Chair: V. Cengiz ÖZALP

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<tr>
<th>Time</th>
<th>Event</th>
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| 11.15-12.00| Plenary Talk 2  
*Carl-Fredrik Mandenius*
Division of Biotechnology, Department of Physics, Chemistry and Biology (IFM), Linköping University, 58183 Linköping, Sweden  
“Bioreactor monitoring”  
| 12.00-12.30| Oral 1  
*M. Yakup Arca*
Gazi University, Department of Biology, Ankara, Turkey  
“QCM-based Aptasensor for Pathogen Detection”  
| 12.30-14.00| Lunch Break (Kårallen)                                               |
| 14.00-16.30| Walking Tour of Gamla Linköping (or Shorter Visit to Museums)        |

### Session 2 - Chair: Martin MAK

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<th>Time</th>
<th>Event</th>
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| 16.30-17.00| Oral 2  
*Murat Kavruk*
Test and Calibration Center (TSE), Ankara, Turkey  
“Applications of Aptamers in Conformity Assessment Sector”  
| 17.00-17.30| Oral 3  
*Zahra Bagheryan*
Biosensors and Bioelectronics Centre, Department of Physics, Chemistry and Biology (IFM), Linköping University, 58183 Linköping, Sweden;  
Electroanalytical Chemistry Research Laboratory, Department of Analytical Chemistry, Faculty of Chemistry, University of Mazandaran, Babol, Iran  
“Diazonium-based impedimetric aptasensor for the rapid label-free detection of *Salmonella typhimurium* in food sample”  
| 18.30-18.00| Oral 4  
*Elham Sheikhzadeh*
Biosensors and Bioelectronics Centre, Department of Physics, Chemistry and Biology (IFM), Linköping University, 58183 Linköping, Sweden;  
“Development of label-free aptasensor for the detection of *Salmonella typhimurium* in apple juice sample”  
| 20.00-23.00| Dinner (Some Place in Downtown)                                       |

### Day 2 – 2nd of June, 2016

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<th>Time</th>
<th>Event</th>
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| 09.00-09.30| Invited Talk 1  
*Magnus Jonsson*
Linköping University, Department of Science and Technology, Norrköping, Sweden  
“Nanoplasmonic biosensing”  
| 09.30-10.00| Oral 5  
*Gizem Ertürk*
Hacettepe University, Department of Biology, Ankara, Turkey; Lund University, Department of Biotechnology, Lund, Sweden; CapSense AB, Lund, Sweden  
“Whole cell imprinting for affinity based cell separation and detection systems”  
| 10.00-11.00| Poster & Coffee Break & Fika                                         |

### Session 5 - Chair: Magnus JONSSON

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<th>Time</th>
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| 11.00-11.30| Invited Talk 2  
*Pablo Lozano Sánchez*
IMICROQ, Integrated Microsystems for Quality of Life, S.L., Tarragona, Spain  
“Biosensor development: From lab to market. Challenges and selling point”  
| 11.45-12.15| Oral 6  
*Lokman Uzun*
Hacettepe University, Department of Chemistry, Ankara, Turkey; Biosensors and Bioelectronics Centre, Department of Physics, Chemistry and Biology (IFM), Linköping University, 58183 Linköping, Sweden  
“Functional polymers for pathogen detection”  
| 12.15-13.30| Lunch Break (Box in Zenit)                                           |
| 13.30-15.30| Poster Session & Table Discussion & Coffee                           |

### Session 6 - Closing Session - Co-Chairs: A. TURNER and V.C. ÖZALP

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| 15.30-16.00| Oral 7  
*Martin Mak*
Biosensors and Bioelectronics Centre, Department of Physics, Chemistry and Biology (IFM), Linköping University, 58183 Linköping, Sweden  
“Paper-based lateral flow technology - from visual to instrumental”  
| 16.00-16.30| Oral 8  
*Valerio Beni*
Acroo Swedish ICT AB, Norrköping, Sweden  
“Organic printed electronics and flexible electronic: An overview of their application in biosensing”  
| 16.30-17.00| Farewell & Concluding Remarks                                        |

## Place

Planck & Main Entrance of Physics Building, Valla Campus, Linköping University, Linköping

**Note 1:** No Registration Fee  
**Note 2:** Meals in not included  
**Note 3:** If you want to contribute with poster, **MOST WELLCOME!**