



Antwerp, 21 September 2018

Programme of the Annual Symposium of the KNCV Working Group on Electrochemistry

## Hyphenated Electrochemistry – Combining Electrochemical Methods with Complementary Techniques for Sensing Applications

The capability of electrochemistry is greatly enhanced when used in combination with other methods. The meeting focusses on such *hyphenated* techniques, which have recently gained more importance in a variety of fields, for example in analytics. Topics include single-molecule detection, electrochemiluminescence, electrochemical transistors, micro- and nanofluidic lab-on-a-chip detection, and diverse applications such as fuel cells and protein analysis.

Date: **Friday 23 November 2018**

Location: **NH Hotel Groningen, Hanzeplein 132, 9713 GW Groningen**

- 
- |               |  |
|---------------|--|
| 09:30 – 10:00 | <b>Welcome and coffee</b>  |
| 10:00 – 10:15 | <b>Introduction by Prof. Marc Koper</b> (Chairman, Leiden University)  |
| 10:15 – 11:00 | <b>Single molecules and single gold nanoparticles in the spotlight</b><br>Prof. Michel Orrit (Leiden University)   |
| 11:00 – 11:45 | <b>Electrochemiluminescence imaging: from bipolar swimmers to cell imaging</b><br>Prof. Neso Sojic (University of Bordeaux)  |
| 11:45 - 12:10 | <b>Electrical detection of single conducting polymers in liquid at open nanogap electrodes</b><br>Ab Nieuwenhuis (University of Twente)  |
| 12:10 – 13:30 | <b>Lunch</b>   |
| 13:30 - 14:15 | <b>TBD</b><br>Prof. Gerald Urban (University Freiburg)   |
| 14:15 - 14:40 | <b>Quantum and electrochemical interplays in hydrogenated graphene</b><br>Lin Jiang (Leiden University)  |
| 14:40 - 15:05 | <b>Insight in the electrochemical fingerprint of cephalosporin antibiotics by combining electrochemistry and LC-MS</b><br>Nick Slegers (University of Antwerp)   |
| 15:05 – 15:30 | <b>Coffee &amp; Tea break</b>  |
| 15:30 – 16:05 | <b>Some interesting problems in Electrochemical Engineering: the desalination fuel cell, flow in charged media, and intercalation electrodes (faradaic or nonfaradaic?)</b><br>Dr. Maarten Biesheuvel (Wetsus) |
| 16:05 – 16:50 | <b>Electrochemical, site-specific peptide bond cleavage as a novel approach in protein analysis</b><br>Prof. Rainer Bischoff (University of Groningen)   |
| 17:50 – 18:00 | <b>Closing &amp; Drinks</b>  |

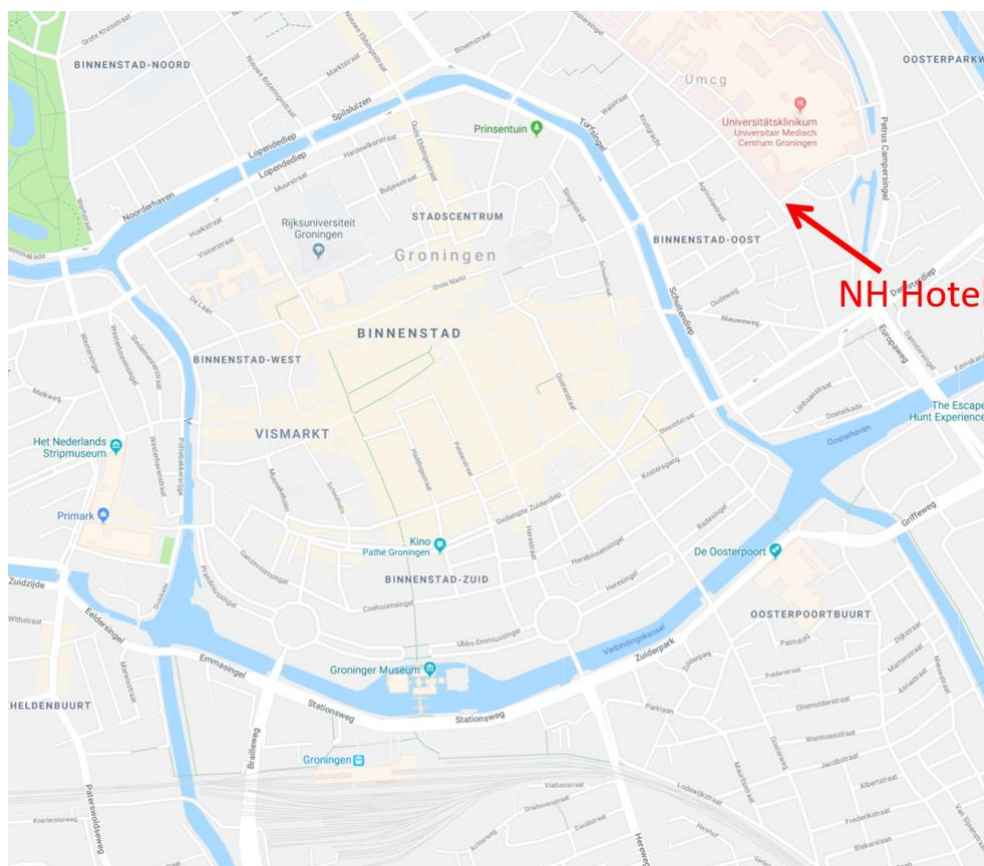
Symposium language: English

KNCV Division of Nanostructures and Self Assembly  
Working group Electrochemistry





**Location: NH Hotel Groningen, Hanzeplein 132, 9713 GW Groningen**



Directions from the train station: take bus 5/61/64/65/74/78/178 to UMCG Groningen

## Registration

You can confirm your participation via following link before the 18<sup>th</sup> of November

<https://www.uantwerpen.be/en/forms/external/facti/kncv-symposium/>

The participation fee is €40 and includes lunch. You are kindly requested to transfer your payment before the 18<sup>th</sup> of November to:

IBAN: **BE40 7555 3952 4763** BIC/Swift code: **AXABBE22**, in name of: Tom Breugelmans

Please mention "**KNCV-EIChem**" and the name of the participant.

Alternatively, you can pay during registration at the symposium.

We would appreciate it if you would forward this convocation to your students, colleagues and others who may be interested.

On behalf of the working group committee,  
**Tom Breugelmans**

*Symposium language: English*

*KNCV Division of Nanostructures and Self Assembly  
Working group Electrochemistry*

