

## DEFINITIVE PROGRAMME

### SUNDAY – 11 September 2016

- 15:00**                    **Registration Desk Open; Mounting the Posters**
- 15:30 – 17:00        Conference buses from Bratislava and Vienna arrive at Smolenice Castle
- 19:00 – 19:10        **Opening words - Štefan Janeček**
- 19:10 – 20:00        **ALAMY\_6 Keynote Lecture**  
**Chair: Štefan Janeček**  
**IL – Bernard Henrissat (Marseille, France): When starch meets the gut microbiota.**
- 20:00 – 22:00        **Opening Reception**

### MONDAY – 12 September 2016

- 07:30 – 08:30        *Breakfast*
- 08:55                    Announcements
- 09:00 – 11:50        **Structure-function relationships in the  $\alpha$ -amylase family GH13 – part I**  
**Chairs: E. Ann MacGregor & Takashi Kuriki**
- 09:00 – 09:40        **IL02 – Haruhide Mori (Sapporo, Japan): Thermophilic alkalophilic  $\alpha$ -amylase from *Bacillus* sp.**
- 09:40 – 10:05        **OT01 – Narayanan Ramasubbu (Newark, NJ, USA): Special friendship between oral streptococci and  $\alpha$ -amylase in the oral cavity.**
- 10:05 – 10:30        **OT02 – Birte Svensson (Kgs. Lyngby, Denmark): An update on structural biology of starch-degrading enzymes and their regulation.**
- 10:30 – 11:00        *Coffee/Tea Break and Posters*
- 11:00 – 11:25        **OT03 – James H. Geiger (East Lansing MI, USA): The mechanism of branch chain specificity in the plant branching enzyme I and II isoforms.**
- 11:25 – 11:50        **OT04 – Adeline Wychowski (Villeneuve d'Ascq, France): Functional and structural characterization of *Arabidopsis thaliana* branching enzymes.**
- 12:00 – 14:00        *Lunch Break*
- 14:00 – 16:00        **Poster Session I.**
- 16:00 – 17:15        **Structure-function relationships in the  $\alpha$ -amylase family GH13 – part II**  
**Chair: Birte Svensson**
- 16:00 – 16:25        **OT05 – Nushin Aghajari (Lyon, France): News from structure/function relationships studies on *Rhizobium* sp. GH13 enzymes.**
- 16:25 – 16:50        **OT06 – Darrell Cockburn (Ann Arbor, MI, USA): The amylolytic systems of *Eubacterium rectale* and *Ruminococcus bromii* rely on uniquely adapted enzymes.**
- 16:50 – 17:15        **OT07 – Sibyl F.D. Batey (Norwich, UK): Deciphering the details of a novel  $\alpha$ -glucan synthesis pathway in *Mycobacterium tuberculosis*.**

- 17:15 – 17:45 *Coffee/Tea Break and Posters*
- 17:45 – 18:35 **Novel family GH13 subfamilies**  
Chair: Eva Nordberg Karlsson
- 17:45 – 18:10 **OT08 – Lubbert Dijkhuizen (Groningen, The Netherlands): Characterization of the starch-acting MaAmyB enzyme from *Microbacterium aurum* B8.A representing the novel subfamily GH13\_XX with an enlarged catalytic region and an unusual, multidomain organization.**
- 18:10 – 18:35 **OT09 – Fean D. Sarian (Bandung, Indonesia & Groningen, The Netherlands): Identification of a novel  $\alpha$ -amylase from marine *Bacillus megaterium* NL3 representing a new GH13 subfamily.**
- 19:00 – 22:00 *Supper (eventually at the court of the Castle) with a music*

**TUESDAY – 13 September 2016**

- 07:30 – 08:30 *Breakfast*
- 08:55 *Announcements*
- 09:00 – 11:50 **Structure-function relationships in the clan GH-H and related families**  
Chairs: Matthew S. Gentry & Leila Lo Leggio
- 09:00 – 09:40 **IL03 – Eva Nordberg-Karlsson (Lund, Sweden): Alkyl glycoside production using enzymes from the  $\alpha$ -amylase family.**
- 09:40 – 10:05 **OT10 – Tjaard Pijning (Groningen, The Netherlands): Crystal structure of a 4,6- $\alpha$ -glucanotransferase supports a diet-driven evolution of GH70 enzymes from  $\alpha$ -amylases in oral bacteria.**
- 10:05 – 10:30 **OT11 – Marion Claverie (Toulouse, France): Biochemical and structural characterization of a new GH70 enzyme from *Leuconostoc citreum* NRRL B-1299.**
- 10:30 – 11:00 *Coffee/Tea Break and Posters*
- 11:00 – 11:25 **OT12 – Nicole Koropatkin (Ann Arbor, MI, USA): Host intestinal glucoamylase inhibition and its effect on the gut microbial community.**
- 11:25 – 11:50 **OT13 – Takashi Tonzuka (Tokyo, Japan): *Arthrobacter globiformis* GH27 isomalto-dextranase and *Flavobacterium johnsoniae* GH31 dextranase/ glucosyltransferase – two dextran-hydrolyzing enzymes belonging to clan GH-D.**
- 12:00 – 13:00 *Lunch Break*
- 13:00 – 24:00 **Trip outside the Smolenice Castle**
- ~13:00 *Conference buses leave the Castle*
- 13:30-15:00 *Excursion to “Včelco” meadery with tasting mead/honey*
- 15:30-17:00 *Visiting the “Astur” falconry park with demonstration*
- 18:00-22:30 *Cruise on the Danube river by boat including a dinner*
- ~ 24:00 *Arrival at the Smolenice Castle*

**WEDNESDAY – 14 September 2016**

- 07:30 – 08:30 *Breakfast*
- 08:55 Announcements
- 09:00 – 10:30 ***Starch- and glycogen-binding domains as CBM families***  
Chair: Nicole Koropatkin
- 09:00 – 09:40 **IL04 – Diego F. Gomez-Casati (Rosario, Argentina): CBM53: function in SSIII enzymes and applications in biotechnology.**
- 09:40 – 10:05 **OT14 – Matthew S. Gentry (Lexington, KY, USA): Reversible phosphorylation of glucans requires unique carbohydrate binding platforms.**
- 10:05 – 10:30 **OT15 – Il-Nam Oh (Daejeon, South Korea): Characteristics of a carbohydrate binding module 20 from hyperthermophilic bacterium.**
- 10:30 – 11:00 *Coffee/Tea Break and Posters*
- 11:00 – 11:50 ***Starch degrading lytic polysaccharide monoxygenases***  
Chair: Bernard Henrissat
- 11:00 – 11:25 **OT16 – Leila Lo Leggio (Copenhagen, Denmark): Structural studies on the AA13 family of lytic polysaccharide monoxygenases.**
- 11:25 – 11:50 **OT17 – Maher Abou Hachem (Kgs. Lyngby, Denmark): Evidence for an important role of lytic polysaccharide monoxygenases in the degradation of starch by *Aspergillus nidulans*.**
- 12:00 – 14:00 *Lunch Break*
- 14:00 – 16:00 ***Poster Session II.***
- 16:00 – 17:20 ***Starch metabolism in living systems***  
Chair: Magali Remaud-Simeon
- 16:00 – 16:40 **IL05 – Christophe Colleoni (Villeneuve d'Ascq, France): Biotic host-pathogen interactions as major drivers in the appearance of semi-crystalline storage polysaccharides in the Archaeplastida last common ancestor.**
- 16:40 – 17:20 **IL06 – Bruce R. Hamaker (West Lafayette, IN, USA): Response and function of the mammalian  $\alpha$ -glucosidases to starch.**
- 17:30 – 18:30 *Refreshment Break / Free time*
- 18:30 – 20:00 ***ALAMY\_6 Banquet Lectures – Lifetime Achievement Awards***  
Chair: Marc J.E.C. van der Maarel
- 18:30 – 19:10 **IL07 – Bauke W. Dijkstra (Groningen, The Netherlands): From ALAMY to the colour of your eyes: how ALAMY influenced my research.**
- 19:10 – 19:50 **IL08 – Lubbert Dijkhuizen (Groningen, The Netherlands): Biochemical characterization of a novel glycoside hydrolase family 70 4,6- $\alpha$ -glucanotransferase enzyme (GtfD) from the Gram-negative bacterium *Azotobacter chroococcum* NCIMB 8003.**
- 20:00 – 24:00 **Symposium Banquet with Poster Awards**

**THURSDAY – 15 September 2016**

07:30 – 08:30	<i>Breakfast</i> <b>Vacation of the rooms – Removing the Posters</b>
08:55	Announcements
09:00 – 11:25	<b><i>Industrial aspects of starch processing</i></b> <b>Chairs: Nushin Aghajari &amp; Carsten Andersen</b>
09:00 – 09:40	<b>IL09 – Jean-Philippe Ral (San Diego, CA, USA): Bioengineering starch degradation in wheat grain: mechanism, regulation and end products.</b>
09:40 – 10:05	<b>OT18 – Yoshinobu Terada (Osaka, Japan): The design of a slowly digestible glucan by the combinatorial use of amyloamylase and branching enzyme.</b>
10:05 – 10:30	<b>OT19 – Atsuo Kimura (Sapporo, Japan): Novel single- and double-anchor-type isomaltomegalosaccharides: production and function.</b>
10:30 – 11:00	<i>Coffee/Tea Break</i>
11:00 – 11:25	<b>OT20 – Floor Kooy (Leiden, The Netherlands): Random hydrolysis improves sustainability in starch processing.</b>
11:25 – 12:05	<b><i>ALAMY_6 Closing Lecture</i></b> <b>Chair: Birte Svensson</b> <b>IL10 – Štefan Janeček (Bratislava, Slovakia): How wide and flexible is the armful of the <math>\alpha</math>-amylase family?</b>
12:05 – 12:15	<b>Closing words – Štefan Janeček</b>
12:30 – 13:30	<i>Lunch and Farewell</i>
12:30 – 13:00	The 1 <sup>st</sup> Conference Bus leaves for Bratislava and Vienna
13:30 – 14:00	The 2 <sup>nd</sup> Conference Bus leaves for Bratislava and Vienna

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