



6TH NEXT GENERATION
SEQUENCING WORKSHOP
NEISSERIA MENINGITIDIS AND
SALMONELLA ENTERICA

Vienna, Austria
22. – 24. March 2017

ORGANIZERS

- Austrian Agency for Health and Food Safety (AGES), Vienna, Austria
- ASM Country Ambassador to Austria
- ASM Country Ambassador to United Kingdom
- PathoNGenTrace

COURSE COORDINATORS

- Alexander Indra, Vienna, Austria
- Ariane Pietzka, Graz, Austria
- Werner Ruppitsch, Vienna, Austria

COURSE OBJECTIVES

Provide an updated overview of Next Generation Sequencing typing for *Neisseria meningitidis* and *Salmonella enterica*. In a practical hands-on-approach the participants will be trained in use of Next Generation Sequencing and comparative genomics for epidemiological investigations using an Illumina MiSeq sequencing system and Ridom SeqSphere+ software.

CONTACT

Contact Person [Scientific Programme]

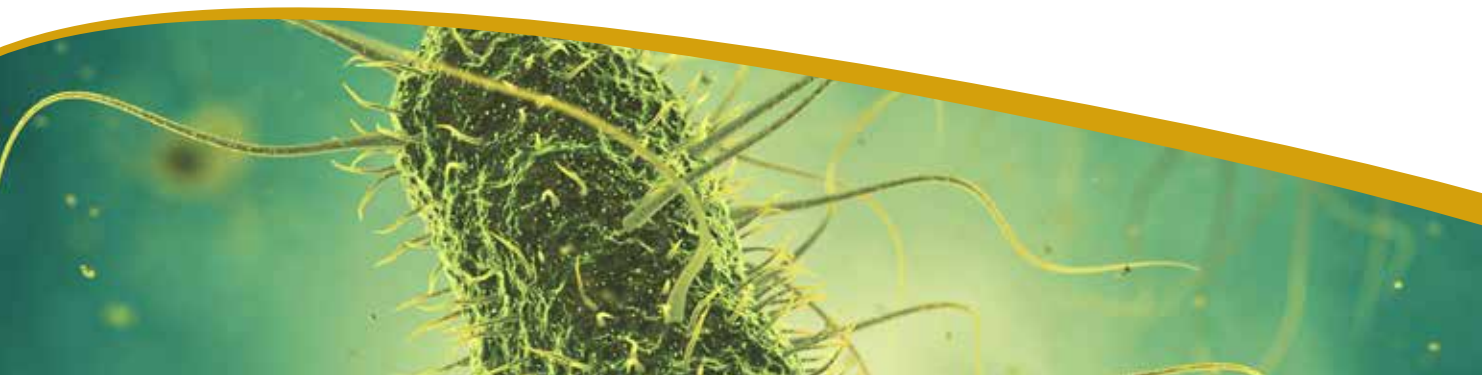
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Contact Person [Administrative Secretariat]

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Austria

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COURSE PROGRAMME

Wednesday, 22 March 2017

- 12:00 Registration (lunch and coffee provided in registration area)
- 13:00 Welcome and introduction
(Franz Allerberger, Andrew Smith)
- 13:15 Introduction to Next Generation Sequencing (NGS)
(Alexander Indra)
- 13:40 In-silico-demonstration of NGS-workflow and Illumina MiSeq sequencing system
(Karola Prior & Illumina expert)
- 15:30 Sequencing questions and answers
(Karola Prior & Illumina expert)
- 16:00 Bioinformatic tools for NGS
(Dag Harmsen)
- 16:45 End of day 1

- 18:00 Social Event in an inner city restaurant

Thursday, 23 March 2017

- 09:00 *Neisseria meningitidis*: public health relevance of subtyping in Austria
(Claudia Mikula)
- 09:25 Part I Hands-on: comparative genomics on *Neisseria meningitidis* using Ridom SeqSphere+
(Dag Harmsen, Ariane Pietzka, Werner Ruppitsch)
- 11:00 Coffee Break
- 11:15 Part II Hands-on: continued
- 12:30 Lunch Break
- 14:00 Part III Hands-on: continued
- 15:30 Coffee Break
- 15:45 *Neisseria meningitidis*: public health relevance of subtyping in Scotland
(Andrew Smith)
- 16:45 End of day 2

Thursday, 23 March 2017

- 19:00 Dinner in an inner city restaurant with guest lecture by Ulrich Vogel (German National Reference Centre for Meningococcus and Haemophilus influenzae; University of Würzburg, Germany) entitled:
„Meningococcal infections: role of whole-genome-analysis“

Friday, 24 March 2017

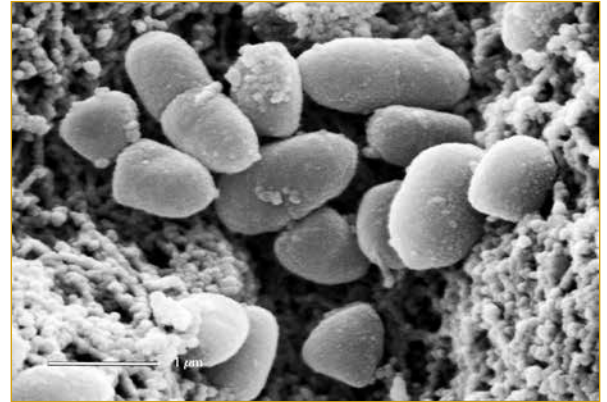
- 09:00 Salmonellosis: public health relevance of subtyping in Austria
(Christian Kornschober)
- 09:25 Part I Hands-on: comparative genomics of *Salmonella enterica* using Ridom SeqSphere+
(Dag Harmsen, Ariane Pietzka, Werner Ruppitsch)
- 11:00 Coffee Break
- 11:15 Salmonellosis: public health relevance of subtyping in UK
(Tim Dallman)
- 11:40 Part II Hands-on: comparative genomics of *Salmonella enterica* using Ridom SeqSphere+
(Dag Harmsen, Ariane Pietzka, Werner Ruppitsch)
- 12:50 Closing remarks
(Franz Allerberger, Andrew Smith)
- 13:00 Lunch

TARGET AUDIENCE

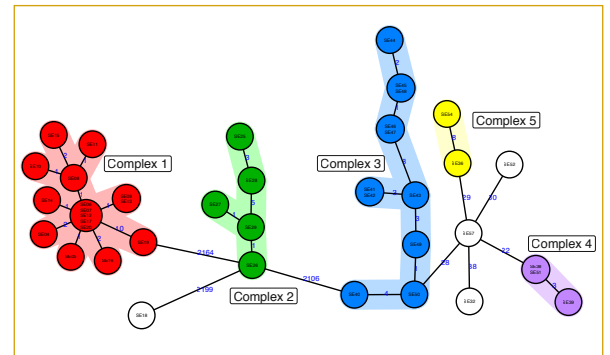
20 participants; staff of reference laboratories and scientists interested in Next Generation Sequencing, who want to get an updated overview of the theoretical and practical use of Next Generation Sequencing typing methods and comparative genomics for *Neisseria meningitidis* and *Salmonella enterica*. Given the international scope and limited capacity available the meeting organizers strive to select qualified participants from as many different countries as possible. Only a maximum of two participants per organization is eligible.

Faculty Members

Franz Allerberger, Vienna, Austria
Tim Dallman, London, UK
Dag Harmsen, Münster, Germany
Alexander Indra, Vienna, Austria
Christian Kornschober, Graz, Austria
Claudia Mikula, Graz, Austria
Ariane Pietzka, Graz, Austria
Karola Prior, Münster, Germany
Werner Ruppitsch, Vienna, Austria
Andrew Smith, Glasgow, UK
Christoph Unger, Vienna, Austria
Ulrich Vogel, Würzburg, Germany

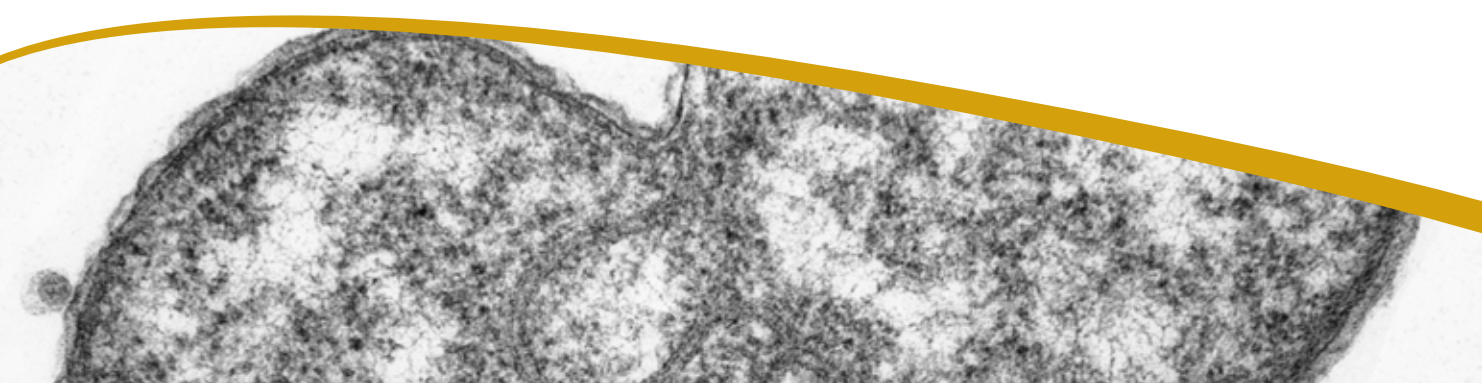


Picture: *Salmonella* sp. (SEM picture)
© AGES / Richter



- S. Senftenberg
- S. Stanley
- S. Enteritidis
- S. Enteritidis
- S. Enteritidis

Figure: Minimum-spanning tree illustrating the phylogenetic relationship based on cgMLST + allelic profiles of 41 *S. enterica* isolates





ORGANIZATION

Course Venue

AGES Headquarters
Spargelfeldstrasse 191
1220 Vienna

REGISTRATION PROCEDURE

Please register online on the AGES website at
www.ages.at/en/service/ages-academy/event-schedule

“22.03.2017 - Next Generation Sequencing Workshop”

Registration deadline

is either 1 March 2017 or date reaching sold-out status.
Slots are allocated in order of payment.

Registration fee (incl. VAT)

EUR 450 for ASM members
EUR 600 for all others

The fee includes scientific sessions (lectures, hands-on, working material), coffee breaks, lunches and dinners.
Accommodation and travel costs are not included.



REGISTRATION FORM FOR “NGS WORKSHOP 2017”

(please send to ages-akademie@ages.at or
fax to +43 (0) 50 555 25209).

ASM member (450 EUR)

membership number:

Regular (600 EUR)

Ms Mr

Name

First Name

Institution/Organization

Billing Address Street/No.

Billing Address ZIP/City

Email



AMERICAN
SOCIETY FOR
MICROBIOLOGY

PATH  NGenTrace

**Health for Humans,
Animals and Plants**

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