

REPORT

**22nd ESO
Summer
School**
Berlin 2018

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Introduction



Dear Colleagues

It was a great honor and pleasure to host the ESO Summer School 2018. The Summer School venues were located in the heart of Berlin on the historic Campus of the Charité and in its vicinity. Forty-five early-career stroke physicians from 27 countries came together in Berlin to attend an intensive Stroke School. During the week from September 10th to 14th, renowned national and international experts from various fields of stroke provided their expert knowledge to the young physicians with a particular interest in cerebrovascular diseases. The lectures and practical lessons covered a wide range of current issues pertinent to both clinicians and researchers in stroke medicine. Our social programme fostered further professional exchange and networking between the applicants themselves as well as with our faculty experts, among them the members of the ESO Executive Committee. We were proud to get very positive feedback from the participants, in particular for the very high quality of the presentations provided by our faculty. We feel that the 22nd ESO Summer School provided new insights and fruitful discussions for the next generation of stroke experts.

We would like to take the opportunity to express our sincere gratitude to all contributors, in particular to all members of our ESO Summer School 2018 faculty and our organising team, as well as to the sponsors for financial support, and to the ESO for logistical support. Most importantly, we would like to thank all the participants for their enthusiastic work ethic and active participation during this intensive week. You really made a great team. We wish you all the best for the future and hope to see you again. For those who could not join us this year, we strongly recommend applying for the 23rd ESO Summer School in Helsinki next year.

Prof. Andreas Meisel, M.D.

CSB Chief Executive Director
Charité, Center for Stroke Research Berlin
ESO Summer School Local
Organisation Committee

Prof. Jan Sobesky, M.D.

Head of Neurology Department
Johanna-Etienne-Hospital Neuss
ESO Summer School Local
Organisation Committee

Prof. Matthias Endres, M.D.

Charité, Director Department of
Neurology

Invited faculty

ESO Executive Committee member

Charlotte Cordonnier	Lille
Martin Dichgans	Munich
Urs Fischer	Bern
Georgos Ntaios	Larissa
Peter Schellinger	Minden
Daniel Strbian	Helsinki
Bart van der Worp	Utrecht

International

Sandra Black	Toronto
Mira Katan	Zürich
Kennedy R. Lees	Glasgow
Marieke J.H. Wermer	Leiden
David Werring	London

National

Agnes Flöel	Greifswald
Armin Grau	Ludwigshafen
Martin Holtkamp	Berlin
Eric Jüttler	Aalen
Golo Kronenberg	Rostock
Darius Nabavi	Berlin
Waltraud Pfeilschifter	Frankfurt
Peter Ringleb	Heidelberg
Thorsten Steiner	Frankfurt
Stefan Wolf	Berlin

Center for Stroke Research Berlin (CSB)

Heinrich Audebert	Berlin
Ulrich Dirnagl	Berlin
Christian Dohle	Berlin
Wolfram Döhner	Berlin
Jens Dreier	Berlin
Matthias Endres	Berlin
Jochen Fiebach	Berlin
Christoph Leithner	Berlin
Andreas Meisel	Berlin
Christian Nolte	Berlin
Jan Scheitz	Berlin
Bob Siegerink	Berlin
Jan Sobesky	Neuss/Berlin

Scientific programme

Timetable – Dates & Hours

Date	Monday September 10 th	Tuesday September 11 th	Wednesday September 12 th	Thursday September 13 th	Friday September 14 th
LOCATION	FACTORY	FACTORY	HÖRSAALRUINE	HÖRSAALRUINE	FACTORY
09:00 am	Introduction M. Endres, A. Meisel, J. Sobesky, Berlin	SAH Jens P. Dreier, Berlin	Imaging II Jan Sobesky, Neuss/Berlin	ICH II Charlotte Cordonnier, Lille	Post-stroke epilepsy Martin Holtkamp, Berlin
09:55 am	Prehospital management Heinrich Audebert, Berlin	ICH I Thorsten Steiner, Frankfurt	IVT beyond the Guidelines Daniel Strbian, Helsinki	End of life decisions Bart van der Worp, Utrecht	Immunology of stroke Andreas Meisel, Berlin
10:50 am	COFFEE BREAK				
11:10 am	Site visit: STEMO (STroke Emergency MObile)	Vasculitis Christoph Leithner, Berlin	Endovascular thrombectomy Urs Fischer, Bern	How to read clinical trials? Kennedy R. Lees, Glasgow	Biomarker Mira Katan, Zürich
12:05 pm	Imaging I Jochen Fiebach, Berlin	Lipids & Stroke Matthias Endres, Berlin	ESUS George Ntaios, Larissa	Museum of Medical History Guided tour	Hemicraniectomy Eric Jüttler, Aalen
01:00 pm	LUNCH BREAK				
02:00 pm	Cardiology & Stroke Wolfram Döhner, Berlin	Poststroke depression Golo Kronenberg, Berlin	Microbleeds David Werring, London	Plasticity after stroke Agnes Flöel, Greifswald	Secondary prevention II Marieke Wermer, Leiden
02:55 pm	Stroke care concepts Darius Nabavi, Berlin	IV-Thrombolysis Peter Schellinger, Minden	Secondary prevention I Peter Ringleb, Heidelberg	ICP management Stefan Wolf, Berlin	Stroke aftercare Armin Grau, Ludwigshafen
03:50 pm	COFFEE BREAK				
04:10 pm	PFO Christian H. Nolte, Berlin	SU Simulation training Waltraud Pfeilschifter, Frankfurt	Heart & Brain Jan Scheitz, Berlin	Site visit: Neuro ICU Andreas Meisel, Berlin	Rehabilitation Christian Dohle, Berlin
05:05 pm	Translational stroke research Ulrich Dirnagl, Berlin		Genetics of stroke Martin Dichgans, Munich		Feedback & Closing
06:00 pm	BREAK/FREE TIME				
07:00 pm	Social programme 'My Berlin'	Pizza & Papers Bob Siegerink, Berlin	Small vessel disease Sandra Black, Toronto Hörsaal Alte Nervenlinik Charité, Start: 06:30 pm	Social programme Site visit: 'Reichstag Berlin'	
08:00 pm			Dinner & get-together until midnight		

- Lecture/Seminar/ Case discussion/Q & A
- Lecture by EXCOM member
- Special programme
- Keynote lecture
- Social programme

Locations – overview of venues



VENUES

- 1 Factory Berlin**
Rheinsberger Str. 76/77
10115 Berlin
factoryberlin.com
- 2 Hörsaalruine Charité**
Charitéplatz 1, Virchowweg 16
10117 Berlin
bmm-charite.de
- 3 Hörsaal
Alte Nervenlinik Charité**
'Carl Westphal-Hörsaal',
3rd floor (Ebene 3)
Internal campus adress:
Bonhoefferweg 3
10117 Berlin
- 4 Berliner Medizinhistorisches
Museum der Charité**
Internal campus adress:
Virchowweg 17
10117 Berlin
bmm-charite.de
- 5 Charité Notfallzentrum
(site visit: Neuro ICU)**
Philippstraße 10, 2nd floor (Ebene 2)
10117 Berlin
charite.de

ACCOMMODATION

- A Adina Apartment Hotel Mitte**
Platz vor dem Neuen Tor 6
10115 Berlin
+49 30 2000320
adinahotels.com
- B Hotel Motel One**
Invalidenstraße 54
10557 Berlin
+49 30 36410050
motel-one.com

Venues



**Monday 10th, Tuesday 11th, Friday 14th
of September:**

Factory Berlin

Rheinsberger Str. 76/77

10115 Berlin

factoryberlin.com

Photo: factoryberlin.com/press/ci-and-pictures/



**Wednesday 12th, Thursday 13th
of September:**

Hörsaalruine Charité

Charitéplatz 1, Virchowweg 16

10117 Berlin

bmm-charite.de/hoersaalruine.html



Lectures, special programme & social programme

33 × LECTURES

04 × SPECIAL PROGRAMME

- Site visit: STEMO (STroke Emergency MObile)
- Site visit: Neuro ICU
- SU Simulation training
- Museum of Medical History (Guided tour)



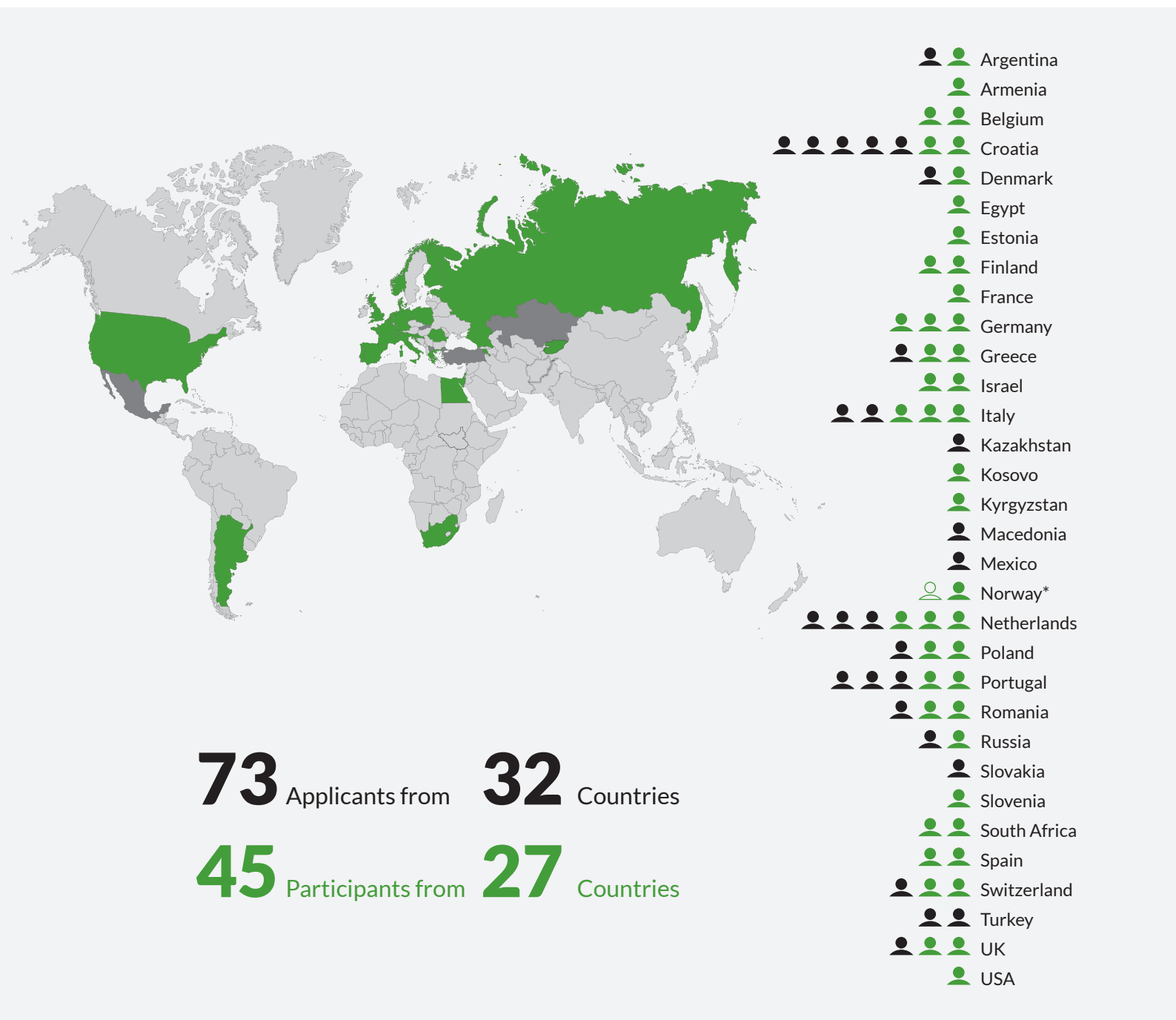
05 × SOCIAL PROGRAMME

- Participants took a fun picture representing their time in Berlin: the 3 best pictures were selected by the local organisation team and received an award.

01 × ESO SUMMER SCHOOL PHOTO CHALLENGE



Applicants & participants



73 Applicants from **32** Countries

45 Participants from **27** Countries

Date of first application

March 17th 2018

Deadline for submission

March 31st 2018

Extended deadline: May 31st 2018

The local organising committee selected the participants on the basis of

- Application form including letter of motivation, CV and letter of support
- Maximum of two participants per country coming from European applicants and maximum of one participant from Non-European applicants (exception: South Africa due to a partner program)
- Three from Germany: one participant had a guaranteed place due to the Young Investigators Award at the ESO conference 2018 in Gothenburg, Sweden
- Three from Italy and three from the Netherlands: Each one was a successor for selected applicants having either declined or delayed accepted their participation. Both successors were selected according to their position in the ranking list and were among the best 15 % of all candidates
- Candidates without informative application and/or not among the first 85 % in the ranking were not selected (eight in total, among them, six from Europe)
- All applicants were expected to be ESO members or to have applied for ESO membership

List of ESO Summer School 2018 participants

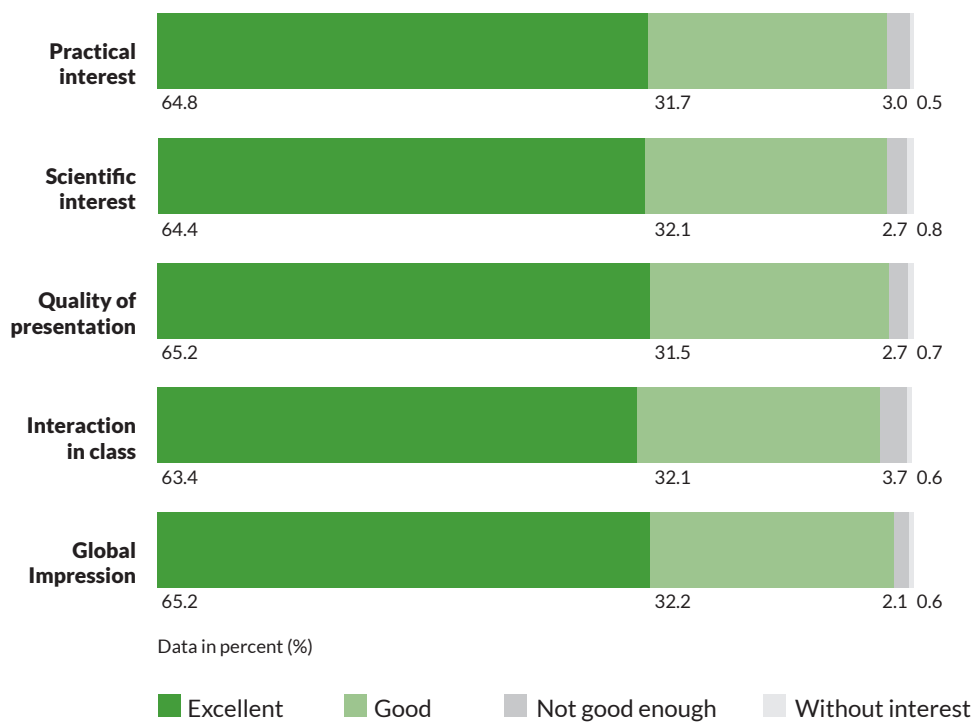
Matias Javier Alet	Argentina	Jeremy Molad	Israel
Ana Barragán Prieto	Spain	Mauro Monforte	Italy
Kathleen Bateman	South Africa	Ajbanis Murtuzova	Denmark
Danira Bazadona	Croatia	Blerim Myftiu	Kosovo
Francisco Bernardo	Portugal	Matteo Paolucci	Italy
Veerle De Herdt	Belgium	Marco Pasi	France
Ahmed Elkady	Egypt	Michele Pellizzaro Venti	UK
Henrietta Eriksson	Finland	Iulia Elena Petre	Romania
Janne Hamann	Switzerland	Maren Ranhoff	Norway
Shufan Huo	Germany	Silja Rätty	Finland
Robert Hurford	UK	Manuel Requena Ruiz	Spain
Maria Kamieniarz	Poland	Valentina Rinnoci	Italy
Katja Karničnik	Slovenia	Anastasia Rossouw	South Africa
Aristeidis Katsanos	Greece	Daniela Stefan	Romania
Liisa Kõrv	Estonia	Davide Strambo	Switzerland
Ioanna Koutroulou	Greece	Isabel Taveira	Portugal
Laurien Kuhrij	Netherlands	Sofya Ustinskaya	Russia
Christoph Kurth	Germany	Sophie van den Berg	Netherlands
Magdalena Ledwosinska	Poland	Ellis van Etten	Netherlands
Tatjana Livshits	Israel	Regina von Rennenberg	Germany
Inna Lutsenko	Kyrgyzstan	Gorana Vukorepa	Croatia
Laura Michiels	Belgium	Alicia Zha	USA
Lilit Minasyan	Armenia		

Evaluation

We evaluated all lectures and practical courses in the programme and recieved feedback from the participants using the online tool SurveyMonkey.

The overall feedback was very positive ranging between excellent and good.

More specifically the participants rated each session of our programme according to the following five categories:



We extend our thanks to all members of the faculty for the successful sessions.

And our congratulations go to Charlotte Cordonnier for the best-rated presentation.

Organisation timeline

12 months prior to the Summer School

- Definition of an estimated number and composition of participants
- Generation of programme outline
- First contact of the local organising committee with potential sponsors

10 months prior to the Summer School

- Organisation of hotel accommodation
- Promotion of the Summer School to industry
- Preparation of the Summer School first announcement
- Draft of preliminary programme timetable
- Contact with potential speakers
- Budget creation

8 months prior to the Summer School

- Creation of logo & branding
- Preparation of website
- Negotiation with sponsors for the industry support
- Drafting of a realistic and more detailed budget
- Booking of the Summer School venues

3 – 6 months prior to the Summer School

- Finalisation of speakers/chairmen participation
- Finalisation of sponsoring contracts
- Official announcement for application on website and via newsletter (ESO & CSB)
- Announcement of the extended application deadline (31.05.2018) during ESOC 2018 in Gothenburg, Sweden

0 – 3 months prior to the Summer School

- Contact applicants about participation
- Preparation and email distribution of final programme
- Finalisation and publishing of final programme
- Production of Summer School material
- Finalisation of hotel bookings
- Finalisation of catering
- Finalisation of cultural (social) programme
- Final contact with all invited speakers regarding their participation
- Final update of the Summer School website & Twitter

Acknowledgements

We would like to thank our sponsors for their generous financial support.

Principal sponsors




Sponsors




Number of sponsors: 10

Social media highlights

#ESOsummerschool

 **CSB** @BerlinStroke · 9. Sep.
Perfect weather for our #ESOsummerschool Welcome reception - see you all at 6 pm on our #BerlinStroke rooftop!



 **CSB** @BerlinStroke · 10. Sep.
Hello #STEMO: Site visit of the STroke Emergency MObile - Day 1 of the #ESOsummerschool #BerlinStroke DH





European Stroke Org @ESOstroke · 11. Sep.

#ESOsummerschool: intensive discussion and #epidemiology boost with @BobSiegerink at Pizza and Papers session #BerlinStroke



Омурбеков Султанбек @Sultanbek1995 · 11. Sep.

@inna_lutsenko we are proud of you. I wish you productive learning in #ESOsummerschool #Berlinstroke #Berlin



Inna Lutsenko MD @inna_lutsenko

Prof. Jan Sobesky is opening #esoss18 #ESOsummerschool at #Berlin : participants were selected carefully by @ESOstroke and #Charite Stroke team organizers



CSB @BerlinStroke · 11. Sep.

Last lecture before lunch break of #ESOsummerschool day 2 - Prof. Matthias Endres talks about lipids & stroke #BerlinStroke



CSB hat retweetet



Inna Lutsenko MD @inna_lutsenko · 12. Sep.

#ESOsummerschool: simulation is brilliantly presented by participants under the guidance of #Frankfurt #stroke team





Charlotte Cordonnier @PrCCordonnier · 12. Sep.

Always such a privilege to be part of the **#ESOsummerschool** 🧠
Great opportunity to meet with rising stars from the stroke field 🌟
Today i met with **@inna_lutsenko** from Kirghizstan 🇰🇬



European Stroke Org @ESOstroke

#ESOsummerschool evening event with @PrCCordonnier feels happy! Nice event at #BerlinStroke



Aziza Ismailova @ismailova_a_ · 13. Sep.

So proud to see **@inna_lutsenko** at **#EsoSummerSchool** with **@PrCCordonnier**!



European Stroke Org @ESOstroke

#ESOsummerschool evening event with @PrCCordonnier feels happy! Nice event at #BerlinStroke



CSB @BerlinStroke · 14. Sep.

Last day of **#ESOsummerschool** 2018 - we thank all our participants & speakers for their great contribution during this very interesting and fun week in Berlin! **#BerlinStroke**



CSB hat retweetet



European Stroke Org @ESOstroke · 24. Sep.

Thanks to Charite, for hosting the 22nd annual **#ESO #Stroke** Summer School. Enjoy the recap film made by Inna Lutsenko, Sultanbek Omurbekov and Aishoola Sultanova. ow.ly/34U630IWx3u

Join us next year in Helsinki, Finland. More info will follow Spring 2019 on our website.



ESO Summer School 2018

ESO Summer School 2018 at Berlin, Charite. Thank you, Stroke Research team at Charite, for the brilliant organisation, intensive program and photos! The film... youtube.com

Photo gallery

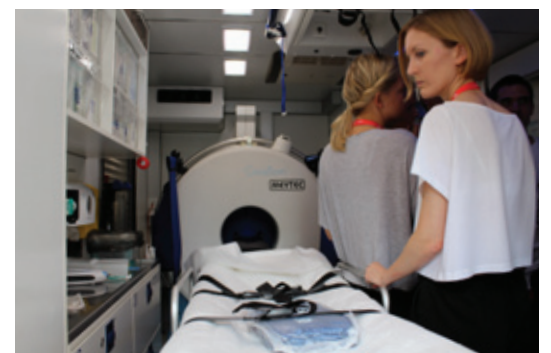


Sunday 9th of September

Welcome reception & get together
at the 'Sonnendeck' of the Center
for Stroke Research Berlin



**Monday 10th
& Tuesday 11th of September**
at Factory Berlin



**Wednesday 12th & Thursday 13th
of September**
at the Charité Hörsaalruine



**Wednesday 12th & Thursday 13th
of September**
at the Charité Hörsaalruine



Friday 14th of September
at Factory Berlin



1st



Photo challenge ESO Summer School Submitted photographs & winners

2nd



3rd

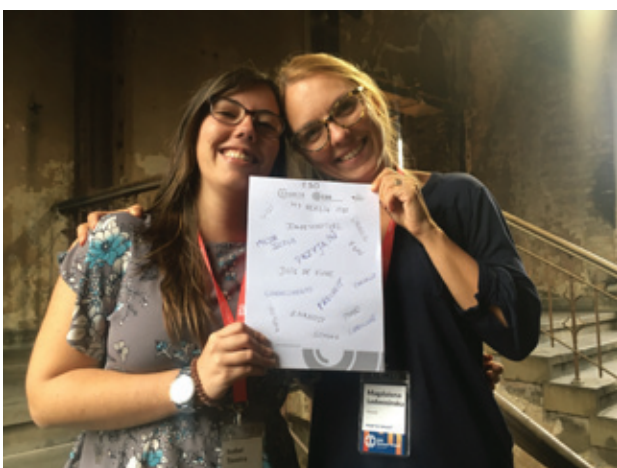


Photo challenge ESO Summer School

Submitted photographs

Taking a walk in Berlin after the end of the 4th day of the ESO Summer School...

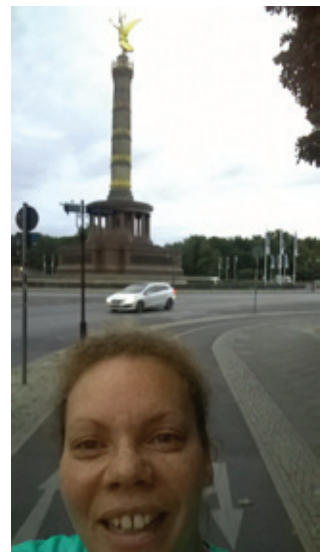
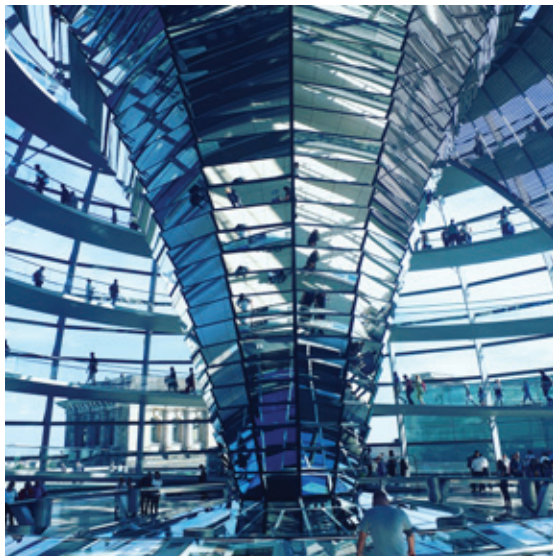
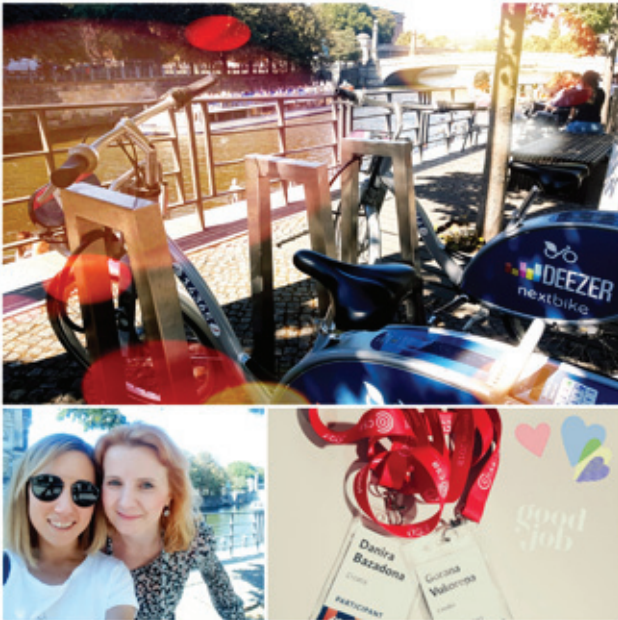


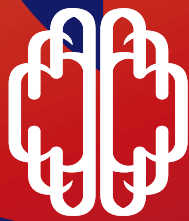
Photo challenge ESO Summer School
Submitted photographs



Thank you from the local organisation team



**Visit
eso2018summerschool.de
for more photos**



**ESO
Summer School**
Berlin 2018

eso2018summerschool.de
#ESOsummerschool

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 /schlaganfallzentrum

 #BerlinStroke



CSB

Center for Stroke Research Berlin