Program

AOTrauma Europe Course—Clinical Research Grant Writing

November 11–12, 2016—Zürich, Switzerland
Hotel Marriott, Zürich
Value statement

AOTrauma is committed to improve patient care outcomes through the highest quality education. We strive to combine the right knowledge and surgical skills that empower the orthopedic and trauma surgeons to put theory into practice and to improve fracture management for the benefit of the patient.

7 Principles of Education

- Based on needs
- Relevant
- Leads to verifiable outcomes
- Interactive
- Motivates to learn
- Provides feedback
- Promotes reflection
Welcome

It is my privilege and pleasure to welcome you to the AOTrauma Europe Grant Writing Course—an interactive course on how to successfully write grant application for your clinical study proposal. Designing and conducting a clinical study can sometimes be a daunting task. We will give you the tools needed to write your study idea with a methodical, step-by-step approach. AOTrauma Europe is committed to advancing clinical research for the benefit of your patients.

We look forward to welcoming you to Zürich

Goal of the course

The AOTEU Grant Writing Course offers the opportunity to acquire the knowledge and hands-on skills to write successful grant applications. Colleagues and faculty share their experiences in research and grant writing. The course includes a clinical session with faculty that gives learners a unique opportunity to receive professional advice on their particular clinical study project.

Learning objectives

After participation in this course, the learners will be able to:
• Describe the grant review process
• Formulate a focused research question
• Describe the different sections of a research grant application
• Identify the preliminary data required to get a grant
• Utilize appropriate search strategies to demonstrate your scholarship on the subject
• Thoroughly describe the study design
• Plan budget, material, methodology, and sample selection
• Select the correct funding agency for your project

Target audience

The AOTEU Grant Writing workshop is an ideal learning platform for physicians interested or involved in the planning of a clinical research project.

IMPORTANT: Please bring your laptop with you.

Mandatory prerequisite for participants

The learners will be asked to perform the following pre-course activities in order to prepare for the grant writing course:
• Complete the pre-course evaluation survey
• Watch a sequence of recorded lectures. The contents will be the basis for discussions and workshops during the face-to-face course.
• The link to the survey and the virtual learning space will be forwarded to the learners via e-mail prior to the course.
• You may also take the unique chance to submit your personal study proposal. During one of the workshops, you may have the opportunity to present your own study idea. Please use the template provided for submission of your study idea.
General information

Registration
Please note that your registration is valid only after the receipt of payment and after confirmation by the course organizer.
If fewer than 10 delegates have registered before October 19, the course will be canceled. Individuals who have already registered will be informed personally. Payment will be refunded.

Registration fee
AOT member: CHF 245, Nonmember: CHF 350
No onsite registration.

Your registration fee includes
• Attendance of all lectures/practical sessions
• Teaching material for the course
• Coffee breaks
• Course dinner

Terms of cancellation
50% until 30 days before the event. No refund thereafter.

Travel and accommodation
Participants are responsible for their own travel and hotel arrangements.

Dress code
Casual

Intellectual property
Course materials, presentations, and case studies are the intellectual property of the course faculty. All rights are reserved. Check hazards and legal restrictions on www.aofoundation.org/legal.

Recording, photographing, or copying of lectures, practical exercises, case discussions, or any course materials is absolutely forbidden.

The AO Foundation reserves the right to film, photograph, and audio record during their events. Participants must understand that in this context they may appear in these recorded materials. The AO Foundation assumes participants agree that these recorded materials may be used for AO marketing and other purposes, and made available to the public.

No insurance
The course organization does not take out insurance to cover any individual against accidents, theft, or other risks.

IMPORTANT: Please bring your laptop to the course

For further information please contact
AOTrauma Europe
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Project Manager Education and Operations Europe
Stettbachstrasse 6 | 8600 Duebendorf | Switzerland
T +41 44 2002 455 | F +41 44 2002 421
lwelti@aotrauma.org | www.aotrauma.org

Course venue and Hotel

Hotel Marriott
Neumühlequai 42
8006 Zürich, Switzerland
Phone: +41 360 70 70
www.zurichmarriott.com

Contact E-Mail: lwelti@aotrauma.org
Single-room rate: CHF 235
Price and availability only guaranteed by booking before: September 30.

Additional hotel for accommodation only:
Hotel Montana
Konradstrasse 39
8005 Zürich, Switzerland
Phone: +41 366 60 00
Contact E-mail: reservation@hotelmontana.ch
Single-room rate: CHF 130.00
Booking code: AOTEU
Kindly contact the hotel directly for your room booking and use the above-mentioned booking code.
Price and availability only guaranteed by booking before: October 31, 2016
Chairperson

Michael Blauth
Director Department of Trauma Surgery, Medical University Innsbruck, Austria

Michael Blauth is the Managing Director of the Department for Surgical Medicine at the Medical University Innsbruck, Austria. Alongside his active involvement with the AO as part of various committees and taskforces in the fields of nailing, orthogeriatrics, and research, Michael sits on the Editorial Boards of many highly recognized orthopedic journals. Michael’s special clinical areas of interest range from osteoporosis and fragility fractures to arthroplasty while his special research areas of interest range from biomechanics of osteoporotic fracture fixation including augmentation to biomechanics and clinical outcome of spine injuries.

Faculty

Laurent Audigé
Laurent Audigé is clinical epidemiologist. He worked over 12 years as methodologist and statistician for AOCID at the AO Foundation and since 2012, he is leading a clinical research unit at the Schultess clinic in Zurich. He has expertise in the implementation of registers and studies in the field of trauma and disorders of the musculoskeletal system, including classification systems and surgical complications, and collaborates with AOCID on a variety of clinical research topics.

Brigitte von Rechenberg
Brigitte von Rechenberg is Professor of experimental veterinary surgery at the Vetsuisse Faculty of Zurich. She is the founder and head of the Musculoskeletal Research Unit (MSRU) as well as the head of the Steering Committee of the official Competence Center of Applied Biotechnology and Molecular Medicine (CABMM). Her own research focuses on bone and cartilage remodeling and regeneration. Trained as a Board Certified small animal surgeon (ECVS) she is specialized in experimental surgery and preclinical animal studies and her laboratory is the only officially accredited GLP facility for large animal and small laboratory rodents studies at a University in Europe. Since September 2014 she is the first female Dean of the Vetsuisse Faculty Zurich.

Jörg Goldhahn
Jörg Goldhahn Prof Dr med is the medical director of the new bachelor in medicine at the Swiss federal Institute of Technology (ETH) Zurich, Switzerland, and leads Translational Medicine at the Institute for Biomechanics (IfB) at ETH. He was core team member of the first AO Clinical Priority program "Fracture fixation in osteoporotic bone" and led several research programs in a clinical, academic as well as industrial environment. He is actively involved in reviewing manuscripts and applications as reviewer for several journals and funding institutions.

Alexander Joeris
Alexander Joeris, originally from Germany, is a pediatric surgeon specializing in pediatric traumatology. He practiced for more than 10 years, his last hospital being Inselspital, University of Berne, Switzerland. His involvement in the AO Pediatric Classification project led him to the AO, starting as an AOCID fellow in 2012 and taking over the position of Medical Scientific Affairs Manager early 2013. Alexander serves as a faculty member on a variety of courses offered by AOCID on clinical research topics. Additionally, he is also completing a Master's degree in Health Economics at the London School of Economics.
## Friday, November 11, 2016

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<th>TIME</th>
<th>AGENDA ITEM</th>
<th>FACULTY</th>
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<tr>
<td></td>
<td><strong>Introduction</strong></td>
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<tr>
<td>13:00–13:10</td>
<td>Welcome and Introduction</td>
<td>M Blauth</td>
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<tr>
<td>13:10–13:30</td>
<td>The importance of clinical research</td>
<td>Facilitated discussion at tables</td>
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<tr>
<td>13:30–13:40</td>
<td>The meaning of different kinds of evidence, causality, and confounding factors</td>
<td>A Joeris</td>
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<td></td>
<td><strong>Research question, objectives (primary and secondary) and hypotheses</strong></td>
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<tr>
<td>13:40–13:50</td>
<td>How to transform a relevant clinical question into a focused and feasible study objective</td>
<td>L. Audigé</td>
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<tr>
<td>13:50–14:35</td>
<td>Practical exercise: Research question, objectives and hypotheses</td>
<td>Facilitated exercises at tables</td>
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<tr>
<td>14:35–14:50</td>
<td>Report back to plenary</td>
<td>All</td>
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<td><strong>Compiling and appraising literature</strong></td>
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<td>14:50–15:00</td>
<td>Literature search strategies for best evidence</td>
<td>A Joeris</td>
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<tr>
<td>15:00–15:10</td>
<td>Critical appraisal of the literature</td>
<td>M Blauth</td>
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<tr>
<td>15:10 – 15:25</td>
<td>COFFEE BREAK</td>
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<tr>
<td>15:25–16:15</td>
<td>Practical exercise: Critical appraisal of the literature</td>
<td>Facilitated exercises and discussion at tables</td>
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<td>16:15–16:30</td>
<td>Report back to plenary</td>
<td>All</td>
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<tr>
<td>16:30–16:45</td>
<td>Lecture: Summarizing the literature for a grant proposal</td>
<td>L Audigé, All</td>
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<tr>
<td>16:45–17:30</td>
<td>Practical exercise: Work on a proposal from the group</td>
<td>Facilitated exercises and discussion at tables</td>
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<td>17:30–18:15</td>
<td>Practical exercise: plenary discussion on proposal from the group</td>
<td>All</td>
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<tr>
<td>18:15–18:30</td>
<td>Wrap-up, questions and discussion</td>
<td>All</td>
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### Saturday, November 12, 2016

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<th>TIME</th>
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<th>FACULTY</th>
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<tbody>
<tr>
<td><strong>Methodology</strong></td>
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<tr>
<td>08:00–08:20</td>
<td>Study designs</td>
<td>A Joeris</td>
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<td>08:20–08:40</td>
<td>Sample size calculation</td>
<td>L Audigé</td>
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<tr>
<td>08:40–09:00</td>
<td>Data capturing</td>
<td>J Goldhahn</td>
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<tr>
<td>09:00–10:00</td>
<td>Practical exercise: study design selection</td>
<td>Facilitated exercises and discussion at tables</td>
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<tr>
<td>10:00–10:15</td>
<td>Report back to plenary</td>
<td>All</td>
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<tr>
<td>10:15–10:30</td>
<td>COFFEE BREAK</td>
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<tr>
<td><strong>Timing and finance</strong></td>
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<tr>
<td>10:30–10:50</td>
<td>Project management (finances, time – and resource-management)</td>
<td>B von Rechenberg</td>
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<tr>
<td>10:50–11:30</td>
<td>Plenary (or small group) exercise: Project management</td>
<td>A Joeris All</td>
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<tr>
<td><strong>Miscellaneous</strong></td>
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<tr>
<td>11:30–11:45</td>
<td>Grant writing: tips and tricks</td>
<td>J Goldhahn</td>
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<td>11:45–12:00</td>
<td>What does it mean to apply for a clinical research grant? AOTrauma and other options</td>
<td>L Audigé</td>
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<tr>
<td>12:00–12:20</td>
<td>Building a research infrastructure and networking collaborations</td>
<td>B von Rechenberg</td>
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<tr>
<td>12:20–12:40</td>
<td>Plenary Q&amp;A</td>
<td>All</td>
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<tr>
<td>12:40–12:45</td>
<td>Conclusion and final remarks</td>
<td>M Blauth</td>
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Driving excellence and empowering the next generation

AOTrauma membership
Discover the advantages of joining the leading global trauma and orthopedic community, providing its members with education, research and networking opportunities worldwide.

Apply for membership at www.aotrauma.org