

Priv. Doz. David Putzer, Ph.D, M.Sc

Contact:

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Date of Birth 8.12.1983 in Bolzano/Bozen
Nationality Italian

Scientific output

Publications: 73 Journal papers, 25 as first author or senior author
Google Scholar since 2011: 873 citations, h-index 17, i10index 27
Conferences: 8 presentations, 22 poster presentations, 1 invited speech
Proceedings: 7 Conference proceedings, 2 book chapter, 1 video submission
Editor activity: Journal of Computer Assisted Surgery, Frontiers in Medical Engineering, Journal of Bioengineering
Reviewer activity: 22 recognized reviews for 6 different journals
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Work experience:

- 08/2013 Senior PostDoc at the **Department of Orthopaedics - Experimental Orthopaedics, Innsbruck Medical University**. *Responsible for several research projects, development of new instruments and prototyping, funds acquiring, patent applications, tutor for medical master students, development of learning and teaching materials.*
- 02/2013 – 09/2014 Principal Investigator of the **OrthoCAD** project: Development of an intraoperative planning software for orthopaedic applications, Cooperation between the Innsbruck Medical University, Hochschule Offenburg and Stryker IMT.
- 08/2009 – 07/2013 Research assistant at the **Department of Orthopaedics - Experimental Orthopaedics, Innsbruck Medical University**. *Responsible for several research projects, development of new instruments and prototyping, funds acquiring, patent applications, tutor for medical master students, development of learning and teaching materials.*

Education:

- 03/2019 **Habilitation/Tenure - Postdoctoral lecture qualification** at the Innsbruck Medical University
- 11/2009 – 11/2013 **Doctor of Philosophy** in „Musculoskeletal Sciences“ at Innsbruck Medical University, **pass with merit**. The Doctoral thesis was entitled: *"Bone impaction grafting: New concepts and techniques in processing allografts for minimally invasive hip revision"*
- 10/2010 – 10/2012 **Master of Science** in "Medical Writing" at the Innsbruck Medical University The master thesis was entitled: *"A new algorithm for measuring hip wound area using a time of flight camera"*
- 09/2009 Italian **State exam** for the legally practicing of the profession as an industrial engineer, **311/400**

09/2007 – 03/2009 **Master of Science** in "Biomedical engineering" at the Polytechnic University of Turin, graduated with **100/110**. The master thesis had the following title: "*Effects of thermal treatments on the structure and on the properties of cobalt alloys used for hip and knee prosthesis*"

Trainings:

2017-2019 Mako product specialist training for robotic assisted surgery in total hip, total knee and partial knee arthroplasty

2013-2017 Several trainings for lecturers at the Innsbruck Medical University

03/2015 JEOL Training for using a scanning electron microscope

05/2012 Participation of the doctorate course "Musculoskeletal modeling by multibody biomechanics" at the Department of Mechanical and Manufacturing Engineering of Aalborg University

04/2011 Observership at the University Hospital Lousanne (CHUV) visiting the department of infectious diseases lead by Prof. Andrej Trampuz

Awards

01/2015 1st place "**Cast Award 2014**" (awards innovative business and product ideas)
PreCUP – Development of an autograft inlay for hip arthroplasty

01/2013 5th place "**Cast Award 2012 ein Ideenwettbewerb!**" (awards innovative business and product ideas)
Development of a C-arm simulator for the education in health care

01/2011 5th place "**Cast Award 2011 ein Ideenwettbewerb!**" (awards innovative business and product ideas)
Development of a leg holder for the minimal invasive hip and knee surgery

11/2010 3rd place "**Cast Technology Award 2010**" (awards innovative business ideas with a technologic background and evaluates its commercial potential)
Surgical guiding tool for the hip resurfacing

12/2009 3rd place "**Cast Technology Award 2009**" (awards innovative business ideas with a technologic background and evaluates its commercial potential)
CORTA – OR-Table for surgical simulations for anatomical specimens

Language skills:

German Native proficiency
Italian Bilingual proficiency (Zweisprachigkeitsnachweis A)
English Professional working proficiency, *Pitman Qualification ESOL Elementary und SESOL Intermediate, IELTS (6.0)*