

Curriculum Vitae



General Information

Name **Ap.Prof. Vladimir Juras PhD.**
Address Medical University of Vienna
High Field MR Centre, Department of Biomedical Imaging
and Image-Guided Therapy
Waehringer Guertel 18-20, A1090, Vienna, Austria
Phone: (+43) 1 40 400 64660
E-Mail vladimir.juras@meduniwien.ac.at
Nationality Slovak
Date and place of birth 18.November 1978 in Bratislava, Slovakia

Education

Dates 2004 - 2009
Title of qualification awarded PhD
Principal occupational skills covered New MRI methods for visualization of early cartilage degeneration
Dissertation thesis
Name of educational organization Slovak Academy of Sciences
Institute of Measurement Science
Dates February 2007
Occupational skills IDEA Sequence Programming
Name of educational organization Siemens A.G., Vienna, Austria
Dates 1998 - 2003
Occupational skills Biomedical Physics
Principal occupational skills covered MSc.
Dissertation thesis
Name of educational organization Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia
Dates 1993 – 1997
Final Exam 21.5.1997
Name of educational organization Gymnasium Ladislav Novomesky, Bratislava, Slovakia

Work experience

Dates April 2006 - presence
Occupation MR researcher
Main activities and responsibilities Development of the new methods for MRI for muskulo-skeletal applications (UTE sequences, vTE sequences for cartilage, tendons, menisci and ligaments) + conducting clinical studies
Name and address of employer MR Centre of Excellence, Department of Biomedical Imaging and Image-guided Therapy, Medical
Head University of Vienna, Austria
Univ. Prof. Dr. Siegfried Trattnig
Sector MR Research
Dates February 2004 - presence
Occupation MR researcher
Main activities and responsibilities Sequence Programming, Low-field applications
Name and address of employer Slovak Academy of Sciences, Bratislava, Slovakia
Head Prof. Ivan Frollo, CSc.
Sector MR Research
Dates August 2003 - February 2004

Occupation Webdevelopment
 Main activities and responsibilities PHP, HTML and JAVA Programming
 Name and address of employer Interway, Stará Vajnorská 21, Bratislava, Slovakia
 Head
 Sector Webdevelopment

Personal skills

Mother tongue Slovak

Other languages
 Self-assessment

English
German
French
Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	expert	C1	expert	C1	expert	C1	advanced	B2	expert
B2	advanced	B1	advanced	A2	intermediate	B1	intermediate	B1	advanced
A1	basic	A2	basic	A1	basic	A1	basic	A2	basic
A1	basic	A2	basic	A1	basic	A1	basic	A1	basic

Social skills and competences Team player, good fit in multicultural environment gained through foreign work experience

Technical skills and competences Independent user of Siemens MR Scanners (3T, 7T) MSK MRI

Computer skills and competences
 Operating System: Windows XP and 7, Windows NT, Linux (Ubuntu)
 Office: MS Word, MS Excel, MS Access (VBA Programming)
 Scripting Languages: IDL, Matlab, SPSS, JiveX, Python, ITK, MevisLab
 Programming Languages: C, C++, Perl, Shell Script
 Special Programming: Siemens (IDEA, ICE)

Teaching Activities
 Teaching at Medical University of Vienna ('Morning Lectures', Journal Club)
 Teaching at Faculty of Mathematics, Physics and Informatics, Comenius University, Bratislava, Slovakia (MRI for Biomedical Physics)

Students' supervision

- Benedikt Hager, PhD Student, 2013 – presence
- Andrea Kurekova, Bachelor/Diploma Student, 2017-presence
- Juraj Nemcek, Bachelor/Diploma Student, 2017-presence

Driving license B

Sport skills Ice Hockey (Pro until age of 15), Soccer, Mountainbiking, Running, Climbing

Additional information

Memberships in organizations

- Member of International Society For Magnetic Resonance in Medicine
- Member of International Cartilage Repair Society
- Member of European Society of Radiology
- Member of European Society for Magnetic Resonance in Medicine and Biology
- Member of Radiological Society of North America

Review-competences (Journals)

- European Radiology
- Journal of Biomechanics
- Magnetic Resonance in Medicine
- NMR In Biomedicine
- Journal of Magnetic Resonance Imaging
- IEEE Transactions on Medical Imaging
- Cartilage
- Osteoarthritis and Cartilage
- Biomedical Research International
- BMC Medical Imaging
- International Society for Magnetic Resonance in Medicine

Project-Review Competences

- Houska Award 2014 - review of the project

Invited lectures

- Ultra High-Field Meeting, Siemens, November 14. - 16. 2013, Title: MSK Imaging at 7T
- Summer Symposium, 20.-22.6.2014 Warnemünde-Hohe Düne, Rostock, Title: New methods and clinical applications of the knee MRI at high and ultra-high field
- ESMOFIR 2014, July 3-5, 2014, Berlin, Germany, Title: Tissue characterisation of cartilage
- Ultra High Field MRI: Technological Advances & Clinical Applications, 06-09 March 2016 Heidelberg, Germany, Title: UHF MSK Applications
- EMRI Erasmus Course, Musculoskeletal MRI-Joints (finger to toe), 12– 16 February 2018, Vienna: Title: High-field MRI, PET-MRI and new horizon
- ICRS Focus Meeting, November 21-22, 2019, Vienna, Austria; Title: GLCM with T2 Mapping – What is it and How to do it
- ICRS Focus Meeting, November 21-22, 2019, Vienna, Austria; Title: Artificial Intelligence in Cartilage Imaging Methods

Awards

- 2018 International Cartilage Repair Society: Magna Cum Laude for Juras et. Collagen Assessment of the Low-Grade Cartilage Lesions Using T2 Mapping at 3 and 7 Tesla MRI: One Year Follow-Up Study presented in ICRS 2018, 9 – 12 April, 2018, Macao, China
- 2017 The Award of Slovak Literary Fond for Scientific Publications
- 2017 The Award for Excellent Scientific Work in year 2016, Medical University of Vienna
- 2009 The Award for Excellent Scientific Work in year 2009, Medical University of Vienna
- 2009 Young Scientist Award, The Best Traditional Poster (7th International Conference on Measurement, Smolenice, Slovakia, May 20-23, 2009)
- 2013 The Award for Excellent Scientific Work in year 2012, Medical University of Vienna

Grants

- 2013-2016 FWF Project, P 25246-B24 "In Vivo Compositional 7T MRI of the Achilles Tendon at 7 Tesla" Start: 01/02/2013, End: 31/01/2016, €305.277,-
- 2014 DSZ, Aktion Austria-Czech Republic, €1.160,-
- 2014-2017 OeNB Project Nr. 15916 (Co-Investigator) "Early detection of cartilage damage, synovitis, and tenosynovitis in patients with rheumatoid arthritis at 7 Tesla Magnetic Resonance Imaging"
- 2016-2019 FWF Project, KLI 541-B30 "Advanced Biochemical MRI of the Meniscus at 3 and 7 Tesla", €237.363,00

Education

- IDEA Sequence Programming Course
- ESMRMB certified course "MRI simulation for sequence development, protocol optimization, and education", 2. - 4. 12. 2013, Bonn, Germany

Grants, Stipends and Scholarships

- 2018 Fulbright Grant for Scholars, 6 Months, New York University, Jan 2019-June 2019
- 2011 Travel Stipend for ISMRM Congress in Montreal Canada from Slovak Literal Fond
- 2010 Travel Stipend for ISMRM Congress in Stockholm Sweden von ÖFG und ISMRM
- 2009 Travel Stipend for ISMRM Congress in Hawaii, USA von ISMRM
- 2008 Travel Stipend for ISMRM Congress in Toronto, Canada von ÖFG und ISMRM