

# Curriculum Vitae



## General Information

Name **Mag. Vladimir Juras PhD.**  
Address Brnianska 21, SK-81104, Bratislava, Slovakia  
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,  
Head Medical 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)

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
- Biomedical Research International
- BMC Medical Imaging
- International Society for Magnetic Resonance in Medicine

### Project-Review Competences

#### Invited lectures

- Houska Award 2014 - review of the project
- 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

#### 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