

CURRICULUM VITAE

PERSONAL DATA

Name, Surname JAROSLAV CHLUPAC, MD, PhD
Born December 6, 1978, Jindrichuv Hradec, Czech Republic
Nationality Czech
Office Transplant Surgery Department | Transplantation Centre
Institute for Clinical and Experimental Medicine | IKEM
Videnska 1958/9 | Prague 4-Krc | 140 21 | Czech Republic | EU
Phone: +420 26 136 3125, 3323, 2267, 4105 | Fax: +420 26 136 2822, 2216
www.ikem.cz/en | www.facebook.com/ikemcz
Cell phone: +420 737 385 657
E-mail: jaroslav.chlupac@ikem.cz

Private Soukalova 2180/2 | Prague 12-Modrany | 143 00 | Czech Republic | EU | jarach@centrum.cz

EDUCATION

Academic PhD 11/2015
Specialty Vascular Surgery 6/2011
University Second Faculty of Medicine, Charles University, Prague, Czech Republic
Subject: General Medicine 1997-2004

Grammar School Vítězslav Novák Grammar School, Jindřichův Hradec 1992-1997, Leaving Examination with Honors (Biology, Chemistry, Czech, English)

Languages English (active), German (active), French (beginner)

PROFFESIONAL EXPERIENCE

Occupation Vascular and Transplant Surgeon
Dept. of Transplant Surgery, Institute for Clinical and Experimental Medicine, Prague, Czech Republic, since 8/2004

- Full range of peripheral vascular surgery, retrieval of abdominal organs from cadaveric donors for transplantation, kidney transplants, assistance in abdominal surgery and transplants
- Deputy lead for science and research, since 11/2016
- Head of surgical ward 10/2014 - 10/2016
- Member of institutional Board of Quality, det Norske Veritas Certificate, since 2014
- Congress Secretary General: 51st Congress of the European Society for Surgical Research (ESSR), May 25-28, 2016, Prague, Czech Republic
- Abstract reviewer / scientific committee for the ESSR yearly since 2017
- Good Clinical Practice Certificate, May 25, 2015
- Principal Investigator in: A Randomized, Double-Blind, Multicenter, Placebo-Controlled, Parallel-Group Phase III Study to Evaluate the Efficacy, Tolerability and Safety of Intramuscular Injections of PLX-PAD for the Treatment of Subjects with Critical Limb Ischemia (CLI) with Minor Tissue Loss (Rutherford Category 5) who are Unsuited for Revascularization (PACE Study). Protocol Number: PLX-CLI-03. Since 2015.
- Sub-investigator in clinical trial: Lumsden AB et al. Randomized controlled trial comparing the safety and efficacy between the FUSION BIOLINE heparin-coated vascular graft and the standard expanded polytetrafluoroethylene graft for femoropopliteal bypass. J Vasc Surg. 2015 Mar;61(3):703-12.

Post-doctoral Research Post-doctoral researcher, since 11/2015, *Scope: decellularized vascular grafts, microsurgery*

- Certificate of professional competence to design experiment and experimental projects under Section 15d (3) of Act No 246/1992 Coll., on the Protection of Animals against Cruelty, as amended (Ministry of Agriculture, Czech Rep.), CZ03508, January 26, 2018
- Web of Science: 8 publications, 232 citations without auto-citations, h-index 5 (April 2019)
- ResearcherID: A-5318-2019, ORCID: 0000-0003-1482-6105

Grant Projects

- New materials for cardiovascular surgery based on modified decellularized tissue, Czech health research council, Ministry of Health of the Czech Rep., NV18-02-00422, 2018-2021, team member
- Bioartificial cardiovascular patches and vessels from porcine collagen reinforced with nano/microfibers using stem cell and dynamic culture, Czech Science Foundation (GA CR), NV19-02-00068, 2019-2022, team member

Post-graduate Research PhD student 9/2004 – 11/2015 *Subject: The role of endothelial and vascular smooth muscle cells in etiology, progress and therapy of vascular diseases* *Special scope: Vascular tissue engineering.* *Supervisor: Lucie Bacakova, MD, PhD, Assoc. Prof.*
Dept. of Biomaterials and Tissue Engineering, Institute of Physiology, Academy of Sciences of the Czech Republic v.v.i., Prague, since 9/2004

- Université Victor Segalen, INSERM-U577 Biomateriaux et Réparation Tissulaire, Bordeaux, France 6/2005, 9/2006, 11/2007
- Department of Biomaterials, Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Krakow, Poland 3/2007
- Department of Anatomy teacher 2004-2005

Publications with Impact Factor

- ✓ Chlupac J *et al.* The Gene Expression of Human Endothelial Cells Is Modulated by Subendothelial Extracellular Matrix Proteins: Short-Term Response to Laminar Shear Stress. *Tissue Eng Part A*. 2014 Aug;20(15-16):2253-64. JCR (2014) IF = 4.448
- ✓ Chlupac J *et al.* Attachment of human endothelial cells to polyester vascular grafts: pre-coating with adhesive protein assemblies and resistance to short-term shear stress. *Physiol Res*. 2014;63(2):167-77. JCR (2014) IF = 1.293
- ✓ Chlupac J *et al.* Blood vessel replacement: 50 years of development and tissue engineering paradigms in vascular surgery. *Physiol Res*. 2009;58 Suppl 2:S119-39. JCR (2009) IF = 1.430
- ✓ Krok-Borkowicz M *et al.* Influence of pore size and hydroxyapatite deposition in poly(L-lactide-co-glycolide) scaffolds on osteoblast-like cells cultured in static and dynamic conditions. *Materials Letters*. 2019 Apr; 241:1-5. Co-author JCR (2017) IF = 2.687
- ✓ Filova *et al.* Vascular endothelial cells on two-and three-dimensional fibrin assemblies for biomaterial coatings. *J Biomed Mater Res A*. 2009 Jul;90(1):55-69. Co-author. JCR (2009) IF = 2.816
- ✓ Filova *et al.* Improved adhesion and differentiation of endothelial cells on surface-attached fibrin structures containing extracellular matrix proteins. *J Biomed Mater Res A*. 2014 Mar;102(3):698-712. Co-author. JCR (2014) IF = 3.369
- ✓ Dubsky *et al.* Comparison of the effect of stem cell therapy and percutaneous transluminal angioplasty on diabetic foot disease in patients with critical limb ischemia. *Cytotherapy*. 2014 Dec;16(12):1733-8. Co-author. JCR (2014) IF = 3.293

Awards

- Best Poster Award, First International Symposium on Vascular Tissue Engineering, 28-29 May 2013, Leiden, The Netherlands
- 2nd Prize in Prusik Best Journal Publication Contest: Chlupac J. *et al.*: *Tissue Eng Part A*. 2014 Aug;20(15-16):2253-2264. Czech Society for Angiology, Czech Medical Association of J. E. Purkyně, 40th Angiological days, 19-21 February 2015, Prague, Czech Republic

Pre-graduate Experience

- Heinrich-Heine-Universität, Düsseldorf, Germany, Erasmus program 4-9/2002
- University of Lisbon, Portugal, Hospital Pulido Valente, Department of Internal Medicine, 8/2000
- King's College London, United Kingdom, Lewisham University Hospital, Department of Surgery, 11/2002
- Albert-Ludwigs-Universität Freiburg, Germany, Department of Pediatrics, 9/2001
- Department of Anatomy teacher 1998-2004
- Nursing, St Vinzenz Hospital, Düsseldorf, Germany 7-8/2002
- Automobile and Road Service, Program: Work and Travel, Massachusetts, USA, 6-10/2003

Professional Memberships

Czech Medical Association of J. E. Purkyně (CzMA)
 Czech Transplant Society of the CzMA
 Society for Organ Transplantation of the CzMA
 Czech Society for Cardiovascular Surgery of the CzMA
 European Society for Organ Transplantation (ESOT)
 International College of Surgeons (ICS)
 European Society for Surgical Research (ESSR)

Fellowships

FICS – Fellow of International College of Surgeons
 FESSR – Fellow of European Society for Surgical Research

Boards

Board member of European Society for Surgical Research (ESSR) since June 2, 2018

MISCELLANEOUS

Skills

Driving license category A,B, Certificate in Sport massage, Certificate in Nutrition Consultancy

Hobbies

Sport (basketball, swimming, biking), Travelling

On demand

references, publications, thesis, congress contributions, courses, lecture activities and volume of surgeries

Prague, Czech Republic, April 7, 2019