

CURRICULUM VITAE

PERSONAL DETAILS

Name, Surname JAROSLAV CHLUPAC, MD, PhD
Born December 6, 1978, Jindrichův 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, 2267, 4105 | Fax: +420 26 136 2822, 2216 | www.ikem.cz/en | www.facebook.com/ikemcz | E-mail: jaroslav.chlupac@ikem.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 Vitezslav Novak Grammar School, Jindrichuv Hradec 1992-1997, Leaving Examination with Honors (Biology, Chemistry, Czech, English)
Languages English (active), German (active), French (beginner)

PROFESSIONAL EXPERIENCE

Occupation Vascular and Transplant Surgeon | Transplant Surgery Department | Institute for Clinical and Experimental Medicine, Prague, Czech Rep., since 8/2004
Experience

- Full range of peripheral vascular surgeries, retrieval of abdominal organs from cadaveric donors for transplantation, kidney transplants, pancreas transplants, assistance in all types of abdominal surgeries and liver transplants
- Special interests: aortoiliac endarterectomy, negative pressure wound therapy of vascular graft infection, vascular allografts
- Deputy lead for science and research, since 11/2016
- Head of surgical ward 10/2014 - 10/2016
- Good Clinical Practice Certificate, May 25, 2015
- Member of 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
- Principal Investigator in a clinical trial: 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 Unsuitable for Revascularization (PACE Study). Protocol Number: PLX-CLI-03. 2015-2021. DOI: 10.1016/j.ejvs.2018.11.008
- Sub-investigator in a 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. DOI: 10.1016/j.jvs.2014.10.008
- Municipal Clinic Karlsruhe, Germany, Department of Vascular and thoracic surgery, practical training, tutor: Prof. Dr. Med. Martin Storck, 10/2009.

RESEARCH ACTIVITIES

Post-doctoral Research Post-doctoral researcher, since 11/2015, *Scope:* Experimental surgery, microsurgery, animal models, decellularized vascular grafts | 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, Jan 26, 2018.
Grant Projects **(1)** New materials for cardiovascular surgery based on modified decellularized tissue, Ministry of Health of the Czech Rep., NV18-02-00422, 2018-2022, team member **(2)** Bioartificial cardiovascular patches and vessels from porcine collagen reinforced with nano/microfibers using stem cell and dynamic culture, Ministry of Health of the Czech Rep., NV19-02-00068, 2019-2023, team member **(3)** Self-endothelialization of novel bioactive surfaces of decellularized vascular grafts, Czech Science Foundation (GA CR),

18-01163S, 2018-2022, team member **(4)** National Institute for Research of Metabolic and Cardiovascular Diseases (Programme EXCELES, ID Project No. LX22NPO5104), 2022-2025, „key person”

Post-graduate Research PhD student 9/2004 – 11/2015, Second Faculty of Medicine, Prague, Czech Rep. *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 Rep. v.v.i. • Universite Victor Segalen, INSERM-U577 Biomateriaux et Reparation Tissulaire, Bordeaux, France 6/2005, 10/2005, 9/2006, 11/2007 • Department of Biomaterials, Faculty of Materials Science and Ceramics, AGH University of Science and Technology, Krakow, Poland 3/2007

PUBLICATIONS AND AWARDS

Identifiers Web of Science: 35 publications, 495 citations without self-citations, H-index 9 (June 1, 2023); ResearcherID: A-5318-2019, ORCID: 0000-0003-1482-6105

Selected publications **(1)** Chlupáč J. et al. *Int J Mol Sci.* 2022; 23(6):3310 JCR (2021) IF 6.208 **(2)** Chlupac J et al. *Tissue Eng Part A.* 2014 Aug;20(15-16):2253-64. JCR (2014) IF 4.448 **(3)** Chlupac J et al. *Physiol Res.* 2014;63(2):167-77. JCR (2014) IF 1.293 **(4)** Chlupac J et al. *Physiol Res.* 2009;58 Suppl 2:S119-39. JCR (2009) IF 1.430

Awards **(1)** Prusik Prize in Best Journal Publication Contest: Czech Society for Angiology, Prague, Czech Rep., 2023. **(2)** Second Prize in Prusik Best Journal Publication Contest, Czech Society for Angiology, Prague, Czech Rep., 2015. **(3)** Best Poster Award, First International Symposium on Vascular Tissue Engineering, Leiden, The Netherlands, 2013.

TEACHING ACTIVITIES

• Department of Anatomy, Second Faculty of Medicine, Charles University, Prague - Basic anatomy, first-year students, 2004-2005; Clinical anatomy, fourth-year students, since 2019 • Department of Pediatric Surgery, Second Faculty of Medicine, Charles University and University Hospital Motol, Prague - Transplantation Surgery, sixth-year students, since 2016 • Faculty of Health Studies, Technical University Liberec - Transplantation Surgery, second-year students, since 2019

ADDITIONAL INFORMATION

Pre-graduate Experience • Heinrich-Heine-Universität, Dusseldorf, 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, Second Faculty of Medicine, Prague 1998-2004 • Nursing, St Vinzenz Hospital, Dusseldorf, 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) – member • Czech surgical society of the CzMA – member • Czech Transplant Society of the CzMA – member • Society for Organ Transplantation of the CzMA – member, board member since 2019, treasurer since 2021 • Czech Society for Cardiovascular Surgery of the CzMA – member • European Society for Organ Transplantation (ESOT) – member • European Society for Vascular and Endovascular Surgery (ESVS) – member • International College of Surgeons (ICS) – member • European Society for Surgical Research (ESSR) – member, board member since June 2, 2018

Fellowships FICS – Fellow of the International College of Surgeons (ICS)
FESSR – Fellow of the European Society for Surgical Research (ESSR)

MISCELLANEOUS

• **Skills** - Driving license categories A and, Certificate in Sports massage, Certificate in Nutrition Consultancy
• **Hobbies** - Sports (basketball, swimming, biking), traveling • **On-demand** - references, publications, thesis, congress contributions, courses, lecture activities, and volume of surgeries

Prague, Czech Republic, June 3, 2023