






PERSONAL INFORMATION

Prof. Jiří Drábek, PhD.



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Sex  | Date of birth 29/12/1969 | Nationality Czechia

PERSONAL STATEMENT

Molecular geneticist, key researcher

WORK EXPERIENCE

2022- until now

**vicehead for Education**

IMTM, Faculty of Medicine and Dentistry, Palacky University, Olomouc  
 management

2012-until now

**University education  
 university lecturer**

Charles University Prague  
 ▪ lecturing

2010-2020

**University education  
 vicehead of Biomarkers workpackage**

IMTM, Faculty of Medicine and Dentistry, Palacky University, Olomouc  
 ▪ management

2010-until now

**University education  
 member of Molecular Genetics Board**

Faculty of Science, Palacky University, Olomouc  
 ▪ lecturing and student evaluation

2010-2015

**University education  
 member of Forensic Genetics Testing Committee**

Institute of Criminalistics  
 ▪ examining

2008-2011

**Police  
 laboratory quality manager according to ISO17025 norm**

LEM, Childrens Clinique, University Hospital Olomouc  
 ▪ quality management

2008-until now

**Healthcare quality  
 external auditor of ISO17025 accredited labs**

Czech Institute for Accreditation  
 ▪ quality auditing



2008-until now	<p><b>Regulatory agency head</b></p> <p>DNA laboratory of LEM, Childrens Clinique, University Hospital Olomouc (in 2011 renamed and relocated to DNA laboratory of LEM, IMTM)</p> <ul style="list-style-type: none"> <li>management</li> </ul>
2007-until now	<p><b>Healthcare researcher</b></p> <p>Faculty of Medicine and Dentistry, Palacky University Olomouc</p> <ul style="list-style-type: none"> <li>researching</li> </ul>
2004-2006	<p><b>Science researcher</b></p> <p>Faculty of Science, Palacky University Olomouc</p> <ul style="list-style-type: none"> <li>researching</li> </ul>
2003-2003	<p><b>Science postdoc</b></p> <p>Ohio University Athens, USA</p> <ul style="list-style-type: none"> <li>researching</li> </ul>
1999-until now	<p><b>Science expert witness</b></p> <p>Czech courts</p> <ul style="list-style-type: none"> <li>evaluating genetic evidence</li> </ul>
1993-2002	<p><b>Forensic science diagnostics laboratory worker</b></p> <p>Department of Immunology University Hospital Olomouc, immunogenetics</p> <ul style="list-style-type: none"> <li>supervising HLA laboratory</li> </ul>

## EDUCATION AND TRAINING

2022	<p><b>certificate</b></p> <p>Judicial expert according to a new Czech law no. 254/2019 Sb. Judicial Academy Kroměříž</p>	Level 8
2022	<p><b>certificate</b></p> <p>NGS workflows for forensic genetics International Society for Forensic Genetics Congress, Washington DC</p>	Level 7
2021	<p><b>certificate</b></p> <p>Lifelong education, Palacky University Olomouc Basics of computer graphics</p>	Level 6
2019	<p><b>certificate</b></p> <p>reviewing Forensic Science International Genetics</p>	Level 7
2018	<p><b>certificate</b></p> <p>FTCoE US National Institute of Justice</p>	Level 7

- 2017 **professorship** Level 7  
 professor, Charler University Prague, Czechia  
 ▪ Medical biology
- 2015 **certificate** Level 7  
 Train the Trainers, Copenhagen, Denmark  
 ▪ Statistical methods in forensic genetics
- 2012 **certificate** Level 7  
 DNA interpretation essentials, SEFE Lausanne, Switzerland,  
 ▪ DNA evidence interpretation essentials
- 2009 **certificate** Level 7  
 Clinical Geneticist; Ministry of Health, Czechia  
 ▪ clinical genetics
- 2008 **certificate** Level 7  
 Czech Accreditation Institute course for auditors  
 ▪ ISO17025 norm
- 2008 **habilitation** Level 7  
 associate professor, Palacky University Olomouc, Czechia  
 ▪ Medical biology
- 2007 **certificate** Level 7  
 quality manager for laboratories; Czech Accreditation Institute  
 ▪ Quality control and assessment
- 2005 **certificate** Level 7  
 distance learning minimum; Palacky University Olomouc, Czechia  
 ▪ Distance and blended learning
- 1999 **certificate** Level 7  
 expert witness in healthcare, Ministry of Justice, Czechia  
 ▪ genetics, molecular genetics, and DNA diagnostics
- 1999 **PhD.** Level 8  
 Faculty of Medicine and Dentistry, Palacky University, Olomouc  
 ▪ Study of Human Genetics in MHC Region: Application of PCR-Based Molecular Genetics Methods to HLA Class I and II Typing
- 1996 **certificate of studies** Level 7  
 Trinity College, Oxford; UK  
 ▪ immunogenetics

PERSONAL SKILLS

Mother tongue Czech

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	B2	B2
IELTS overall band 7.0					
Russian	A2	B1	A1	A1	A1
maturita					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)



**Communication skills** ▪ good communication skills gained through my experience as teacher, supervisor, manager, and on-call responder of diagnostics results and through fellowships at Trinity College, Oxford University, UK (1995-1996) and Ohio University Athens, USA (2003)

**Organisational / managerial skills** ▪ leadership - currently directly responsible for a team of 9 people in DNA laboratory, partly responsible for several teams in Biomarker package of IMTM, president of the Czechoslovak Society for Forensic Genetics, project management as PI of 13 grants, organized conferences Forensica 2010, 2012, 2014, 2016, 2018, and 2022 with 100 participants each and congress ISFG2019 with 1000 participants

**Job-related skills** ▪ good command of quality control processes according to ISO17025 and ISO15189 (currently external auditor for the Czech Accreditation Institute)

**Digital competence**

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of evidence weighting software gained as part of paternity testing expertise and lecturer in the Czechoslovak Society for Forensic Genetics (Familias, FamLink, FamLinkX, LR mix Studio, and DNastatistix)
- good command of LIMS (DSSoft and covit)
- good command of communicating requirements for software creation (designed several programmes)

**Driving licence** B

**ADDITIONAL INFORMATION****Publications**

75 hits in Web of Science core collection  
 Web of Science H index 19 (from 2016 H index 5)  
 Sum of Times Cited without self-citations 1042  
 Google scholar H index 22 (from 2017 H index 14)

**5 publications, valued by author**  
 DRABEK J (ed.) (Selected methods of forensic genetics, in Czech) Vybrané metody forenzní genetiky; DOI: 10.5507/lf.22.24461779, ISBN 978-80-244-6177-9 (online: ipdf), 2022, 150 p.  
 Angers A, DRABEK J, Fabbri M, Petrillo M, Querci M. Whole Genome Sequencing and forensics genomics. JRC125734 ed. Luxembourg: EUR 30766 EN, Publications Office of the European Union; 2021. 65 p.  
 Fang LT, Zhu B, Zhao Y, Chen W, Yang Z, Kerrigan L, et al. Establishing community reference samples, data and call sets for benchmarking cancer mutation detection using whole-genome sequencing. Nature Biotechnology. 2021;39(9):1151-60.  
 Xiao W, Ren L, Chen Z, Fang LT, Zhao Y, Lack J, et al. Toward best practice in cancer mutation detection with whole-genome and whole-exome sequencing. Nature Biotechnology. 2021;39(9):1141-50.  
 Zhao Y, Fang LT, Shen TW, Choudhari S, Talsania K, Chen X, et al. Whole genome and exome sequencing reference datasets from a multi-center and cross-platform benchmark study. Sci Data. 2021;8(1):296.  
 Pexa, T., Krajsa, J., Sankova, M., Veleminsky, P., Havrda, J., Kotrly, T., and DRABEK, J. Identification of the skeletal remains of the Czech communist regime crime victim, priest Josef Toufar. Forensic Science International, 2018, 291(e13-e17. 0379-0738



- Projects** PI of the projects:
- EE2.3.09.0080 Education in Forensic genetics
  - EE2.3.09.0089 Educational support of molecular oncology researchers
  - IZ3448 Typing of HLA-C antigens by group specification and hybridization with probes.
  - ME 863 Investigation of fossils of archeological Centre Olomouc by molecular genetics methods
  - NE6197 The role of FAS/FAS-L interaction in celiac disease.
  - NS10108 Molecular genetic predictive markers of efficacy of treatment with EGFR inhibitors and radiotherapy in head and neck squamous cell carcinomas
  - NS9937 Clinical significance of minimal residual disease in pancreatic cancer
  - NS9939 Molecular basis of glucocorticoid response in childhood acute lymphoblastic leukaemia
  - NS9959 Predictive factors for adjuvant chemotherapy in patients with operable stage of non-small cell lung cancer
  - NT13569 Identification of prognostic and predictive factors in non-small cell lung cancer patients treated by adjuvant chemotherapy.
  - TE02000058 Center of competence for molecular diagnostics and personalized medicine
  - NV16-32198A Genetic and epigenetic predictive biomarkers of angiogenesis treatment in colorectal cancer patients
  - VI20202022123 Epigenetic age assessment from blood and sperm trace
- Honours and awards**
- Soros/FCO stipendium, 1995
  - Soros travelling bursary, 1996
  - Award of Palacky University Friends, 1999
  - Award of best review publication in Klinicka onkologie journal, 2017 and award of best original publication in Klinicka onkologie journal, 2017
  - Certificate of merit for monography from rector of Palacky University 2013 and 2021
  - Certificate of merit for scientific paper from dean of Faculty of Medicine and Dentistry of Palacky University 2022
- Memberships**
- CSSFSG – president
  - ISFG – member
  - SLG CLS JEP - member
- References**
- prof. Bruce McCord, Florida, USA ([mccordb@fiu.edu](mailto:mccordb@fiu.edu))
  - prof. Walther Parsons, Innsbruck, Austria ([walther.parson@i-med.ac.at](mailto:walther.parson@i-med.ac.at))