

CURRICULUM VITAE

Name: Petra Dunkel
Address: Semmelweis University Department of Organic Chemistry, H-1092 Budapest,
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EDUCATION

2005-2008 PhD degree (2011), Semmelweis University, Budapest, Doctoral School of Pharmaceutical Sciences
supervisor: Prof Péter Mátyus, PhD thesis: Novel extensions of the tert-amino effect: synthesis of azecine- and oxazonine-fused ring systems

2003-2008 Dramaturgy and Theatre History and Sciences MA (2009), University of Theatre and Film, Budapest

2000-2005 Pharmacy MSc, Semmelweis University, Budapest
supervisor: Prof Péter Mátyus, Dr Gábor Krajsovszky, MSc thesis: Synthesis of halopyridazinones via halogen displacement reactions and their applications in the synthesis of fused ring systems

PROFESSIONAL EXPERIENCE

2018- Assistant professor, Semmelweis University, Budapest

2017-2018 Researcher, Servier Research Institute of Medicinal Chemistry, Budapest

2014-2016 Postdoctoral researcher, Université Paris Descartes, Paris
supervisor: Dr Peter I. Dalko, project: Synthesis of two-photon optimized 'caged' compounds for neurosciences (Marie Curie Intra-European Fellowship (FP7 MC-IEF))

2012-2013 Postdoctoral researcher, Université Paris Descartes, Paris
supervisor: Dr Peter I. Dalko, project: Gamma and X-ray photolysis as a strategy for controlled drug delivery to tissues and tumours deep within the body (Ville de Paris 'Research in Paris 2012' Fellowship)

2009, 2010 Academic visit (2x2 month), University of Ljubljana, Ljubljana
supervisor: Prof Danijel Kikelj, project: Synthesis of potential dual antithrombotic compounds based on a 1,4-benzodioxine scaffold (Hungarian-Slovenian bilateral programme ('TÉT'))

2008 Academic visit (3 month), Università degli Studi di Milano, Milano
supervisor: Prof Carlo De Micheli, project: Regioselective synthesis of 5-substituted isoxazol- and isoxazoline-3-phosphonates

2006 Academic visit (1 month), Università degli Studi di Milano, Milano
supervisor: Prof Daniela Barlocco, project: Semicarbazide-sensitive amine-oxidase substrates and inhibitors (Hungarian-Italian bilateral programme ('TÉT'))

2008-2016 Junior research fellow, Semmelweis University, Budapest

2005 Internship (1 month) in community pharmacy, Helsinki (*International Pharmaceutical Students' Federation's Student Exchange Program*)

TEACHING EXPERIENCE

2018- Organic chemistry theoretical and practical course, Semmelweis University, Budapest

2009- Student supervision (research internship/diploma work), Université Paris Descartes, Paris; Semmelweis University, Budapest
2005-2012 Organic chemistry practical course, Semmelweis University, Budapest

AWARDS, PRIZES, SCHOLARSHIPS

2019 Bolyai+ Scholarship for Young Higher Education Teachers and Researchers, New National Excellence Program
2019 János Bolyai Research Fellowship, Hungarian Academy of Sciences
2014 Eötvös Fellowship, Hungarian Scholarship Board Office
2010 Faculty Excellence Award ('Mozsonyi Sándor Alapítvány') for young lecturers, Semmelweis University, Budapest
2004, 2005 Faculty Excellence Award ('Mozsonyi Sándor Alapítvány') for pharmacy students, Semmelweis University, Budapest
2009, 2012 Conference stipend, Richter Gedeon Plc. 'Centenáriumi Alapítvány'
2009, 2011 Conference stipend, Hungarian Chemical Society

LANGUAGES

Hungarian (native), English (fluent), French (fluent), basic notions of German and Italian

OTHER ACTIVITIES

2009-2012 member of the executive board of 'AESCULAP' Foundation for Pharmaceutical Sciences and Education, Semmelweis University, Budapest
2015- member of the Marie Curie Alumni Association

PRESENTATIONS OF RESEARCH

21 articles in peer-reviewed international journals, 2 patents
4 oral and 15 poster presentations at international meetings, 3 oral and 6 poster presentations at Hungarian/French regional conferences

SELECTED PUBLICATIONS

Dunkel, P; Petit, M; Dhimane, H; Blanchard-Desce, M; Ogden, D; Dalko, PI. Quinoline-derived two-photon-sensitive octupolar probes. *ChemistryOpen* **2017**, *6*, 660-667

Dunkel, P; Hayat, Z; Barosi, A; Bchellaoui, N; Dhimane, H; Dalko, PI; El Abed, AI. Photolysis-driven merging of microdroplets in microfluidic chambers. *Lab on a Chip* **2016**, *16*, 1484-1491

Ilic, M; **Dunkel, P;** Ilas, J; Chabielska, E; Zakrzaska, A; Matyus, P; Kikelj, D. Towards dual antithrombotic compounds - Balancing thrombin inhibitory and fibrinogen GPIIb/IIIa binding inhibitory activities of 2,3-dihydro-1,4-benzodioxine derivatives through regio- and stereoisomerism. *European Journal of Medicinal Chemistry* **2013**, *62*, 329-340

Dunkel, P; Turos, G; Benyei, A; Ludanyi, K; Matyus, P. Synthesis of novel fused azecine ring systems through application of the tert-amino effect. *Tetrahedron* **2010**, *66*, 2331-2339

Dunkel, P; Gelain, A; Barlocco, D; Haider, N; Gyires, K; Sperlagh, B; Magyar, K; Maccioni, E; Fadda, A; Matyus, P. Semicarbazide-sensitive amine oxidase/vascular adhesion protein 1: recent developments concerning substrates and inhibitors of a promising therapeutic target. *Current Medicinal Chemistry* **2008**, *15*, 1827-1839