

Sergii Okorochenkov

Date of birth April 25, 1985
Address Olomouc, tř. Míru 644/113, 77111, Czech Republic
Citizenship Ukraine
Phone +420 702 594 090
E-mail sergei.okorochenkov@gmail.com

EDUCATION

- 2008 - 2011** *Ph.D. in Bioorganic Chemistry*
M.V. Lomonosov Moscow State University of Fine Chemical Technology, Moscow, Russia
Thesis title: Synthesis and SAR studies of hemin amino acid and peptide derivatives with antimicrobial activity
- 2006 - 2008** *M.Sc. in Chemical Engineering and Biotechnology*
M.V. Lomonosov Moscow State University of Fine Chemical Technology, Moscow, Russia
Thesis title: Synthesis and properties of gramicidin A polycation analogues
- 2002 - 2006** *B.Sc. in Chemical Engineering and Biotechnology*
M.V. Lomonosov Moscow State University of Fine Chemical Technology, Moscow, Russia
Thesis title: Synthesis of trans-substituted porphyrines for model photosynthetic system development

RESEARCH EXPERIENCE

- 2013 - Present** Postdoctoral research project, Department of Organic Chemistry, Palacky University of Olomouc, Olomouc, Czech Republic
- 2012 - 2013** Chemical engineer, Pharmenterprises LLC, Moscow, Russia
- 2011** Research intern, Novartis Pharma AG, Basel, Switzerland

HIGHLIGHTS OF QUALIFICATIONS

- Establishing of reaction mechanism
- Synthesis of stable isotope-labeled compounds
- Strong background in solid phase and solution organic synthesis
- Purification of compounds by extraction, crystallization, gel filtration, gravity column chromatography, preparative LC and HPLC systems
- Preparation and characterization of liposomes
- Interpretation of LC-MS, NMR, IR spectroscopy and mass spectrometry data;
- UV-Vis spectrophotometry and spectrofluorimetry
- Optimization of preparative scale organic synthesis

- Experience in academic and industrial environment
- Experience in teaching students
- Self-motivated team player

SKILLS

Computer skills: MS Office, ChemDraw, MestReC, database Sci-Finder, Reaxys

Languages: English (Fluent), Ukrainian (Intermediate), Czech (Elementary), Russian (native),

PUBLICATION LIST

1. Okorochenkov S., Burglova K., Popa I., and Hlavac J.
Org. Lett., **2015**, 17(2), 180-183
2. Okorochenkov S.A., Zheltukhina G.A., Mirchink E.P., Isakova E. B., Feofanov A.V. Nebolsin V.E.
Chem. Biol. Drug. Des., **2013**, 82(4), 410-417
3. Okorochenkov S.A., Zheltukhina G.A., Nebolsin V.E., Nossik N.N., Roginsky V.I., Zheltukhin S.L.
J. Porphyrins Phthalocyanines, **2012**, 16(3), 297–309
4. Zheltukhina G.A., Okorochenkov S.A., Groza N.V., Arzumanyan V.G. and Nebolsin V.E.
Med. Chem. Res., **2012**, 21(11), 3876-3884
5. Ryzhkina I.S., Kiseleva Yu.V., Zheltukhina G.A., Okorochenkov S.A. and Murtazina L.I., et al.
Dok. Phys. Chem., **2011**, 440(1), 157-161
6. Okorochenkov S.A., Zheltukhina G.A., Nebolsin V.E.
Biochemistry (Moscow) Supplement Series B (Biomedical Chemistry), **2011**, 5, 95-102
7. Okorochenkov S.A., Bystrova E.A., Pavlova E.M., Zheltukhina G.A., Nebolsin V.E.
Vestnik MITHT, **2010**, 5(5), 71-81 (in Russian).

PATENTS

1. Zheltukhina G.A., Nebolsin V.E., Okorochenkov S.A. Hemin derivatives having antimicrobial activity or pharmaceutical acceptable salts thereof, synthesis method pharmaceutical composition and use. Patent RU 2415868, priority 10.09.2009
2. Zheltukhina G.A., Nebolsin V.E., Okorochenkov S.A. Novel derivatives of hemin with antibacterial and antiviral activity Patent WO 2013073998, priority 24.05.2013
3. Burglova K., Okorochenkov S., Hlaváč J. Nový typ hydrazinového linkeru. Application submitted to Czech Patent Office

AWARDS

- Poster prize winner at 10th Moscow International exhibition 'Scientific and Technical Creativity of the Youth' (2010);
- Poster prize winner at 5th Moscow International Congress "Biotechnology: State of the Art and Prospects of Development" (2009);

REFEREES

doc. RNDr. Jan Hlaváč, Ph.D.
Head of Organic Chemistry Department
Palacky University of Olomouc
tř. 17. Listopadu 1192/12, Olomouc 77146, Czech Republic
Phone: +420 585 634 405
E-mail: hlavac@orgchem.upol.cz
Prof. Hlaváč is supervisor of my postdoctoral research project

Alexander A. Shtil, M.D., Ph.D., D.Sci.,
Head, Laboratory of Tumor Cell Death,
Blokhin Cancer Center,
24 Kashirskoye shosse, Moscow 115478, Russian Federation.
Phone: +7-499-612-7834;
Fax: +7-495-324-1205;
E-mail: shtilaa@yahoo.com
Dr. Shtil was my Ph.D. thesis consultant

Dr. Goonaseelan Pillai
Global Head of D&I, Development
Novartis Pharma AG, Novartis campus, Forum 1, CH-4002 Basel, Switzerland.
Phone: +41 61 3246025
Fax: +41 61 3244514
E-mail: goonaseelan.pillai@novartis.com
Dr. Pillai was coordinator of Novartis D&I Internship project in which I took part

Dr. Martin Eberle
Senior Investigator I
Novartis Pharma AG, Novartis campus, Building 507, CH-4002 Basel, Switzerland.
Phone : +41 61 3247028
Fax :+41 61 3248001
E-mail: martin.eberle@novartis.com
Dr. Eberle supervised my Novartis project