

CURRICULUM VITAE

PERSONAL DETAILS

Name: Ing. Kristýna Bürglová, PhD.

Email: burglova@orgchem.upol.cz

Nationality: Czech

EDUCATION:

2013 – present: Postdoctoral fellowship

Institute of Molecular and Translational Medicine, Palacky University, Olomouc

Supervision: Doc. RNDr. Jan Hlaváč, PhD

2009 – 2012: PhD studies under double supervision (ICT Prague, ENSCM Montpellier)

Institute of Chemical Technology, Prague (Organic Chemistry), Ecole Nationale Supérieure de Chimie de Montpellier

Doctoral thesis: Chiral hybrid organic-inorganic materials

2007 – 2009: Master Degree

Institute of Chemical Technology, Prague (Organic Chemistry)

2004 – 2007: Bachelor Degree

Institute of Chemical Technology, Prague (Organic Chemistry)

1996 – 2004: Grammar School of Jakub Škoda, Přerov

PROFESSIONAL INTERESTS:

Synthesis of organic compounds, preparation and characterization of hybrid materials, solid-phase synthesis, medicinal chemistry, drug-delivery systems.

INTERNSHIPS:

2008 (6 months): University of Valencia, Spain

2009 – 2012 (3 x 6 months): Ecole Nationale Supérieure de Chimie de Montpellier, France

2014 (5 months): University of the Sunshine Coast, Queensland, Australia

LIST OF PUBLICATIONS:

- Okorochenkova, S.; Burglova, K.; Popa, I.; Hlavac, J. Solid-Supported Hydrazone of 4-(4'-Formyl-3'-methoxyphenoxy)butyric Acid As a New Traceless Linker for Solid-Phase Synthesis. *Organic Letters*, **2014**, *in press*.
- Nunes, S. C.; Burglová, K.; Hodačová, J.; Ferreira, R. A. S.; Carlos, L. D.; Almeida, P.; Cattoën, X.; Wong Chi Man, M.; de Zea Bermudez, V. Nanostructuring of bridged organosilane precursors with pendant alkyl chains. *European Journal of Inorganic Chemistry*. **2014**, *in press*.
- Burglova, K.; Noureddine, A.; Hodacova, J.; Toquer, G.; Cattoen, X.; Wongchiman, M. A general method for preparing bridged organosilanes with pendant functional groups and functional mesoporous organosilicas. *Chemistry – A European Journal*. **2014**, *20* (33), 10371-10382
- Cattoën, X.; Noureddine, A.; Croissant, J.; Moitra, N.; Bürglová, K.; Hodačová, J.; De Los Cobos, O.; Lejeune, M.; Rossignol, F.; Toulemon, D.; Bégin-Colin, S.; Pichon, B.P.; Raehm, L.; Durand, J.-O.; Wong Chi Man, M. Click approaches in sol-gel chemistry. *Journal of Sol-Gel Science and Technology*. **2014**, *70* (2), 245-253.
- Bürglová, K.; Moitra, N.; Hodačová, J.; Cattoën, X.; Wong Chi Man, M. Click approaches to functional water-sensitive organotriethoxysilanes. *Journal of Organic Chemistry*. **2011**, *76* (18), 7326-7333.

PATENTS:

- Bürglová, K.; Moitra, N.; Hodačová, J.; Cattoën, X.; Wong Chi Man, M. Functionalizable polysilylated organosilane precursors for manufacture of functionalizable carbosilsesquioxanes containing N or S atoms in chains. *WO 2014006222*, **2014**.
- Bürglová, K.; Hodačová, J.; Cattoën, X.; Wong Chi Man, M. Polysilylated functionalized organosilane compounds bridged with 1,2,3-triazole units. *FR 2012-56549*, **2014**.