Dmytro Snisarenko

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Experience

PhD Researcher (Marie Curie Fellow) **09/2013 – 09/2016**
Laboratory of Chemical Engineering at Paul Sabatier University ***Toulouse, France***

PhD thesis: *"Middle molecules clearance through artificial kidneys"*

- Performed the technical watch on the state-of-the-art on the membranes for medical applications;
- Developed the novel micro cross flow filtration unit for studies of membrane fouling during liquid filtration;
- Created and experimentally validated the mathematical model to optimize the performance of functionalized membrane;
- Supervised two international membrane engineering master students during their scientific research;
- Progressed in time management skills by meeting the strict deadlines.

Exchange researcher **02/2014 – 04/2014**
Laboratory of Biomaterials Science and **07/2015 – 09/2015**
Technology at University of Twente ***Enschede, the Netherlands***

- Gained a hands-on experience in single and double-layer hollow fiber membrane fabrication;
- Practiced in manufacturing of the membrane modules;
- Applied such membrane analysis techniques as clean water flux, SEM imaging, filtration of single and multicomponent medias.

Research and Development Intern **02/2013 – 08/2013**
GVS Filter technology ***Bologna, Italy***

- Mastered several methods of **membrane functionalization** by wet-chemistry technologies;
- Developed four types of **novel filters** for medical applications;
- Solved problems related to **transfer of laboratory research results** to the industrial scale production;
- Improved **project management** skills by supervising a student from University of Bologna.

Education

Erasmus Mundus Master in Membrane Engineering (www.em3e-4sw.eu) **09/2011 – 08/2013**
Paul Sabatier University – Chemical Engineering ***Toulouse, France***
Institute of Chemical Technology (ICT) – Process Engineering ***Prague, Czech Republic***
Universidade Nova de Lisboa – Membranes in Biotechnology, Food and Health ***Lisbon, Portugal***

National University of "Kyiv-Mohyla Academy" **09/2006 – 07/2010**
Bachelor of Science in Chemistry (diploma with honors) ***Kyiv, Ukraine***

Languages

English– *fluent*
French – *intermediate*
Ukrainian – *native*
Russian – *fluent*

Computer skills

Microsoft Office • Cloud data storages • Engineering software (Aspen Plus, COMSOL Multiphysics).

Extracurricular activities/Hobbies

Football. Have played in the university football team during my bachelor studies.
Table tennis. For two years was a member of the university table-tennis team.
Travelling. Have visited around 20 European and non-European countries in past 4 years.

Awards

Marie Skłodowska-Curie Research Scholarship **09/2013 – 08/2016**

Free registration grant for European Membrane Society Summer School **07/2013**

Erasmus Mundus Scholarship for EM^{3}E program **09/2011 – 08/2013**

Vernadskiy personal scholarship **01/2010 – 09/2010**

Personal scholarship for the best student at the Department of Natural Sciences

Prize winner of national Ukrainian chemistry competition **05/2010**

Conferences and Publication

1) D. Snisarenko, C. Causserand, P. Aimar, P. Bacchin. ***Novel microfluidic device for real-time observation of membrane fouling during separation in biomedical applications.*** Oral presentation at the international scientific conference: "12th World Filtration Congress", Taipei, Taiwan, April 11-15, 2016.

2) D. Snisarenko, C. Causserand, P. Aimar, P. Bacchin, ***Convection-diffusion-adsorption model of solute removal in dialysis by membrane with double functionality***, Oral presentation at the international scientific conference: "Euromembranes 2015", Aachen, Germany, September 6-10, 2015.

3) D. Snisarenko, C. Causserand, P. Aimar, P. Bacchin, ***Novel microfluidic device for real-time observation of membrane fouling***, Proceedings of the international scientific conference: "Euromembranes 2015", Aachen, Germany, September 6-10, 2015.

4) D.O. Snisarenko, P.V. Vakuliuk, et al., ***Synthesis and Properties of Segmented Polyurethanes for Medical Application***// Oral presentation at the international scientific conference: "Membrane and sorption processes and technologies" Ukraine, Kyiv, April 20-22, 2010.

5) D. Snisarenko, D. Pavlenko, D. Stamatialis, P. Aimar, C. Causserand, P. Bacchin, ***"Convection-diffusion-adsorption model of solute removal in dialysis by membrane with double functionality"***. Submission to the Chemical Engineering Science Journal, September 2016.