

## Barbora DOSLIKOVA, PhD.

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An award-winning neuroscientist with entrepreneurship experience and self-taught programming skills seeking a career in data science.

### RELEVANT SKILLS

#### Communication Skills

- Conveyed complex topics to non-/expert audiences ranging from small groups up to 300 people; invited to present at international conferences; earned several top prizes for effectively communicating my findings
- Written up scientific findings for publication in several peer-reviewed scientific journals; written up and defended my graduate thesis
- Negotiated permission from my employer to work on an independent project during regular working hours; negotiated for funding (total of > \$47,000)
- Learned to communicate with people across a wide range of roles, ranging from my employees and clients as an entrepreneur as well as my trainees, peers and supervisors as a scientist

#### Business Awareness

- As a founder of a small business I sought out clients, maintained client relationships, recruited employees, designed and implemented marketing strategies, managed sales and accounting, thus gaining insights into several key aspects of business organization
- Participated in several selective workshops by McKinsey & Company, one of top business consulting companies, focused on problem-solving strategies for large businesses

#### Intellectual Curiosity

- As a postdoctoral fellow I continuously carved out the time to attend seminars outside of my field of research
- One of these seminars sparked my interest in a recently discovered protein which I researched in my free time, developed into a project and presented my findings at a scientific conference generating interest of my peers and resulting in further collaborative work

#### Analytical & Statistics Skills

- During my academic career I located and assimilated new information rapidly, synthesized complex information; designed scientific experiments to test hypotheses; collected and analyzed data using appropriate statistical methods (t-tests, linear regression, ANOVA and SPSS software); encountered and solved problems; reached independent conclusions, presented and defended them

#### Programming & Data Science Skills

- Created several websites using HTML, CSS, Bootstrap, JavaScript and jQuery
- Carried out data analysis projects using curl, pandas, NumPy, SciPy, matplotlib, seaborn, bokeh and Tableau and published them using IPython Notebook on GitHub
- Created interactive apps in python using data from Twitter API, a web scraper and Flask deployed to Heroku

## EDUCATION

- 2010–2014     **Doctor of Philosophy in Pharmacology**  
Dept. of Pharmacology, University of Cambridge, Cambridge, UK  
Researched the role of brain cells in the regulation of feeding and body weight
- 2009–2010     **Master of Philosophy in Clinical Biochemistry**  
MRL-IMS, University of Cambridge, Cambridge, UK
- 2006–2009     **Bachelor of Science in Human Nutrition (First Class Honours)**  
University of Westminster, London, UK

## EMPLOYMENT

- 08/14-12/15     **Postdoctoral Fellow**, Dept. of Pharmacology, University of Alberta, AB, Canada  
Researched the role of brain neurons in cancer-associated wasting
- 09/07-08/08     **Entrepreneur**, London, UK  
During undergraduate studies set up a business to provide service to London City clients

## AWARDS AND ACHIEVEMENTS

- 2016     Naufahu J, Alzaid F, Fiuza Brito M, **Doslikova B**, *et al. JCEM (in review)*.
- 2016     Burke L, **Doslikova B**, *et al. Mol Metab (in press)*.
- 2015     Luchtman DW, Chee MJS, **Doslikova B**, *et al. PLOS ONE* 10(10):e0139462.
- 2014     Burke LK, **Doslikova B**, *et al. Endocrinology* 155(10):3732-8.
- 2013     **Doslikova B**, *et al. J Neurosci* 33(23):9800-4.
- 2012     **MRC Centenary Award** of \$38,600
- 2012     **Top PhD Presentation Prize** at the Medical Research Laboratories Student Symposium
- 2012     Physiological Society UK **Travel Bursary** of \$770
- 2012     Dept. Pharmacology University of Cambridge UK **Travel Bursary** of \$770
- 2012     Clare Hall College University of Cambridge UK **Travel Bursary** of \$620
- 2012     Selected to participate in a competitive prestigious 2-week **Microelectrode Microelectrode Techniques for Cell Physiology Workshop** organized by the Physiological Society, UK
- 2012     **Top PhD Poster Prize** at the Cambridge Neuroscience Seminar 2012
- 2009     **Student Laboratory Experience Grant** from the Soc. for Neuroendocrinology of \$5,530
- 2009     **Undergraduate Achievement Award** from the Soc. for Neuroendocrinology (\$420; for the highest scoring BSc project reports in the area of endocrinology )
- 2008     **Westminster Career Awards Progression Scholarship** (covers tuition fees; awarded annually to selected students for high standard of performance and academic excellence)
- 2007     **University of Westminster Progression Award** (covers tuition fees; awarded annually to 8 students for overall high standard of performance and academic excellence)
- 2007     **Undergraduate Research Bursary** (\$690; awarded to 11 students with the highest mark for the BSc project report to convert the project report into a published output)

## INTERESTS

- Saved money from my graduate stipend to travel around the world
- Volunteered in nature reserves and taught women programming