

Drangova, Maria	Scientist, Robarts Research Institute, Professor, Departments of Medical Biophysics, The University of Western Ontario
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EDUCATION/TRAINING – highest achieved

INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
University of Western Ontario, London, Ontario	Ph.D.	1993	Medical Biophysics
Stanford University, California, U.S.A.	PDF	1996	Medical Imaging

Professional Experience *Current Academic and Professional Appointments*

2016 – present	Professor , Dept. of Physics and Astronomy, The University of Western Ontario
2009 – present	Professor , Dept. of Medical Imaging, The University of Western Ontario
2009 – present	Professor , Dept. of Medical Biophysics, The University of Western Ontario
2002 – present	Member , Graduate Program in Biomedical Engineering
1997 – present	Scientist , Robarts Research Institute, London Ontario

Recent Awards, Honours, Fellowships and Scholarships

2012 – 2017	Career Investigator Award, Heart and Stroke Foundation of Ontario
2007 – 2012	Career Investigator Award, Heart and Stroke Foundation of Ontario

Publications summary H index (ISI) = 30; Researcher ID: J-3123-2012

Publications (published, Accepted, In press)	Career	2013	2014	2015	2016	2017/8
Refereed articles	140	11	4	4	10	8
Abstracts and Proceedings	172	2	5	5	4	7
Book Chapters	1					
Invited Presentations	26		1		1	1

Research Support – Latest secured; Over \$2,000,000 as PI or CO-I in last 5 years

Title of Proposal	PI	Funding Source	Total amount	Period of Award
Minimally-invasive Surgery and Therapy	Peters, T.M.	CFI and ORF (infrastructure)	\$5,425,826	2017 - 2022
Characterizing cerebral thrombus composition with Phase-based MRI	Drangova, M.	CIHR, Project Scheme Bridge	\$100,000	2017 - 2018
Multidimensional motion correction	Drangova, M.	NSERC Discovery	\$190,000	2016 -2021

Commercialization Activity (e.g., patents, technology transfer, licenses, etc.)**Start ups:**

- Vital Biomedical Technologies Inc., 2012. Tavallaei, M.A. and **Drangova, M.**
- Aufero Medical Technologies Inc., 2017. **Drangova, M.**, Gelman, D., Skanes, A, WORLDdiscoveries

Licenses:

2012 System and method for dynamic control of ultrasonic motors. Licensed to Vital

Patents: (plus an additional 3 granted)

- Catheter Contact-Force Control. United States. PCT. WO2017132768 A1. 2017/08/01. Status: Pending
- Method for Dixon MRI, multi-contrast imaging and multi-parametric mapping with a single multi-echo GRE acquisition. United States. US Provisional Patent Application. 2017/03/01. Status: Pending
- Method and Apparatus for Measuring 3D Geometric Distortion in MRI and CT Images. United States. 20150309149. 2015/04/23. Status: Pending
- Ultrasonic Motor Control System and Method. United States. US14/225199. 2014/03/14. Status: Granted
- System and method for dynamic control of US motor. United States. 61/596,746. 2012/02/01. Granted

F. Training of Highly Qualified Personnel

Past Five years 2013-2017	In Progress	Completed
Masters	0	1
Doctoral	5	2