

Nikola Stikov
e-mail: nikola.stikov@polymtl.ca
website: neuro.polymtl.ca

Local Address:
3555 Rue Berri Apt 910
Montreal, H2L 4G4, Canada

Work Address:
Ecole Polytechnique L-5608
Montreal, H3T 1J4, Canada

EDUCATION:

- 9/03 – 9/09** **Stanford University, PhD in Electrical Engineering.** Advisor: Prof. John Pauly. Developed novel methods for quantitative magnetic resonance imaging of myelin and cartilage. Thesis: Quantitative Magnetic Resonance Imaging of the Macromolecular Proton Pool in Tissue
- 6/01 - 6/03** **Stanford University, M.S. in Electrical Engineering.** Advisor: Prof. Tom Cover. Concentration: Communication Systems. Coursework: Convex Optimization, Communications, DSP and Information Theory. (GPA 3.9/4.0)
- 9/97 - 6/01** **Stanford University, B.S. with Distinction in Electrical Engineering.** Advisor: Prof. Stephen Boyd. Specialty: Signal Processing. (GPA 3.9/4.0)
- 9/00 - 12/00** **Stanford in Berlin, Berlin, Germany.** Spent an academic quarter in Berlin studying German language, culture and history.

EXPERIENCE:

- 06/19 – present** **Associate Professor (tenured)**
École Polytechnique / Montreal Heart Institute
University of Montreal, Canada
Co-director of the [NeuroPoly](#) research lab
- 11/16 – 01/20** **Visiting Professor**
Faculty of Computer Science and Engineering
University Ss. Cyril and Methodius, Skopje, Macedonia
Lecturing on medical imaging and emerging biomedical technologies
- 01/15 – 06/19** **Assistant Professor**
École Polytechnique / Montreal Heart Institute
University of Montreal, Canada
In vivo histology with focus on quantitative magnetic resonance imaging of the brain and the heart
- 7/10 – 12/14** **Postdoctoral Fellow, McConnell Brain Imaging Center, Montreal**
Neurological Institute, McGill University.

Developing a quantitative MRI methodology for measuring the myelin thickness (g-ratio) *in vivo*.

3/04 – 9/09

Research Assistant, Magnetic Resonance Systems Research Lab, Department of Electrical Engineering, Stanford University.

Developed novel sequences for quantitative magnetic resonance imaging of cartilage in the human knee and myelin in the human brain.

TEACHING:

09/15 – present

Associate Professor, École Polytechnique. Professor for three biomedical engineering courses

Biomedical Instrumentation and Measurements

Institute of Biomedical Engineering

Digital Image Processing

Department of Electrical Engineering

Emerging Biomedical Technologies

Institute of Biomedical Engineering

4/05 - 8/06

Teaching Fellow, Stanford University. Lecturer for three electrical engineering courses:

The Fourier Transform and its Applications

Stanford Electrical Engineering Department

Introductory Electronics

Stanford Center for Technical Innovation, Kyoto, Japan

Digital Systems II

Stanford Center for Technical Innovation, Kyoto, Japan

4/01 - 3/05

Teaching Assistant, Electrical Engineering, Stanford University. Won **Stanford Centennial Teaching Award** in 2007. Led review sessions, held office hours, prepared and graded exams for the following courses:

Introductory Electronics

Instructor: Butrus Khuri-Yakub

Introduction to Signals and Systems

Instructor: Stephen Boyd

Signal Processing and Linear Systems

Instructor: John Pauly

Introduction to Communications

Instructor: Andrea Goldsmith

The Fourier Transform and its Applications

Instructor: Dwight Nishimura

Linear Dynamical Systems

Instructor: Stephen Boyd

Wireless Communications

Instructor: Donald Cox

9/99 - 3/01

Section Leader, Computer Science, Stanford University. Led 1-hour discussion sections and on-site debugging sessions, tested and graded student assignments for the two introductory CS courses at Stanford:

Programming Methodology

Instructors: Eric Roberts

Programming Abstractions

Instructors: Julie Zelenski, Eric Roberts, Robert Plummer, Marissa Mayer

SERVICE:

- 06/21 – present** **ISMIRM Reproducible research study group chair** – Leading the reproducible research efforts of the International Society for Magnetic Resonance in Medicine
- 02/18 – present** **CONP Communications Committee Steering Committee** – Leading the publishing efforts of the Canadian Open Neuroscience Platform (CONP.ca)
- 02/17 – present** **FRQNT International Scholarship Committee** – Evaluator for the International Student Scholarship applications to the Fonds de recherche du Québec – Nature et technologies
- 9/09 – present** **Journal Reviewer – In the top 5% of reviewers according to Publons.com. Reviewer for** Magnetic Resonance in Medicine (Distinguished Reviewer), Neuroimage, NMR in Biomedicine, Journal for Magnetic Resonance Imaging, IEEE – Transactions on Medical Imaging, Neurobiology of Aging, Proceedings of the National Academy of Sciences.
- 03/16 – 06/21** **OHBM Communications Committee** – Founder of the official blog of the Organization for Human Brain Mapping (OHBM). Chair of the committee in 2019
- 01/18 – 01/20** **QBIN Communications Committee** – Member of the communications committee of the Quebec Bioimaging Network (QBIN)
- 02/16 – 06/19** **ISMIRM WEB Committee Member** – On the Web Editorial Board of the International Society for Magnetic Resonance in Medicine (ISMIRM).
- 7/15 – 12/19** **Deputy Editor** – On the Editorial Board of Magnetic Resonance in Medicine (IF = 3.9) as Deputy Editor for Scientific Outreach. Responsible for communicating the science published in the journal to the wider imaging community.
- 06/17 – 06/19** **Guest Editor of Neuroimage** (IF = 6.4). [Special issue](#) on microstructural imaging and modeling.
- 7/12** **Guest Editor of the 33rd issue (vol. 1) of Prilozi, the Journal of the Macedonian Academy of Sciences and Art**
- 9/06 – 9/08** **TA Coordinator, Department of Electrical Engineering, Stanford University.** Trained and supervised the work of EE Teaching Assistants.

Held teaching workshops and acted as the department's liaison with the Stanford Center for Teaching and Learning.

OUTREACH:

- 5/20 – present** **NaukaZaDeca.mk (Science for kids)** – Founder of a science portal geared toward elementary school students. Producing multimedia science lessons and organizing workshops with science experiments.
- 3/20 – present** **S(c)iesta** – Founder of a bi-weekly science webinar bringing together Macedonian scientists. Reports (in Macedonian) can be found at qantarot.substack.com
- 8/15 – present** **Magnetic Resonance in Medicine Highlights** – Founder of a science website with 15 volunteer contributors that features MRI researcher profiles, lay language explanation of the papers published in the MRM journal, as well as brief interviews with renowned authors. Published as a [magazine](#) by Wiley since May 2016.
- 6/08 – present** **MRBalkan.org** – Initiated and organized four international conferences for magnetic resonance imaging, with 300+ participants from ten countries, supported by the ISMRM International Outreach Program (www.mrbalkan.org).
- 1/18 – 1/20** **Réseau de Bio-imagerie du Québec** – Member of the communication committee. The committee promotes science communication skills within the imaging community of Québec and enhances the quality of information dissemination to the public.
- 8/16** **Toward a Super-BigBrain: Promises and Pitfalls of Microstructural Imaging** – Organizer of the first ISMRM-endorsed [workshop](#) on microstructural imaging, held in Montreal on August 3-5, 2016. 150 participants, 30 invited speakers from 15 leading academic institutions in Canada, US, Japan, Korea, UK, France, and Germany.
- 4/16 – 6/21** **Brain Mapping Blog** – Founder of the official [blog](#) of the Organization for Human Brain Mapping. Coordinating a team of 5 scientists to inform the brain mapping community about news and controversies in the field. Members of the team also regularly contribute brain-related content to the Huffington Post.

SUPERVISION:

Postdoctoral fellows:

Dr. Maxime Caru (co-supervised with Delphine Perie-Curnier)

Software developer: Dr. Mathieu Boudreau

Communications: Anita Prendzova

Ph.D students: Tomi Boshkovski

Agah Karakazu

Juan Velazquez Reyes

B.Sc. students: Achilles Vigneault, Ian Gagnon, Samuel Mugisho-Muhindo, Alexandre Daigle-Martel, Blanche Perraud, Jonathan Chansin, Nadir Faci, Jean-Francois Cabana and Catherine Duquette

Alumni:

Dr. Matteo Mancini (postdoctoral fellow, Wellcome Trust Fellow)

Dr. Jennifer Campbell (research associate, co-supervised with Dr. Bruce Pike)

Dr. Pascale Beliveau - conseillère principale recherche – science des données, at UdeM/IVADO

Manh Tung-Vuong (graduated 2017)

Ariane Saliani (co-supervised with Julien Cohen-Adad, graduated 2017)

Harris Nami (co-supervised with Julien Cohen-Adad, graduated 2019)

Souad El-Bassam (alumnus, communications manager)

MENTORING:

9/01 – 9/08

Graduate Student Advisor, Department of Electrical Engineering, Stanford University. Advised current and prospective graduate students through orientation sessions and weekly office hours, served as the graduate student representative in the EE Academic Affairs Committee, and maintained the EE class management system. For contribution to the department, awarded the EE Outstanding Service Award.

AWARDS AND DISTINCTIONS:

- 2017, 2018 & 2020** **Best Teacher in Biomedical Engineering, École Polytechnique.** Three years in a row (didn't teach in 2019), Gala Meritas award given annually by the École Polytechnique student association.
- 05/14** **Junior Fellow of the International Society for Magnetic Resonance in Medicine.** Award given annually to approximately ten young researchers in recognition of their track record, academic potential, and commitment to the ISMRM.
- 6/07** **Centennial Teaching Assistant Award, Stanford University.** In honor of outstanding teaching at the Department of Electrical Engineering
- 6/03** **Outstanding Service Award, Electrical Engineering Department, Stanford University.** For contributions as a mentor to students in the EE Graduate Advising Center, active promotion of student viewpoints on the EE Academic Affairs Committee, and contributions to the improvement of EE Graduate Program requirements and documentation.
- 06/01** **B.S. with Distinction.** In the top 10% of the Stanford graduating class of 2001.
- 06/01** **Member, Tau Beta Pi.** Engineering Honors Society Stanford Chapter.
- 09/97 – 06/01** **Elsie B. Ballantyne Scholarship for Undergraduate Studies at Stanford University** - \$30,000/year.
- 11/93** **Award 13-ti Noemvri.** Given by the city of Skopje, Macedonia to deserving citizens.

FUNDING:

- 07/21 – present** **Fonds de Recherche du Québec – Santé** - ~\$90,000/year
Salary award, Chercheurs-boursiers – Junior 2
- 11/17– present** **Canadian Open Neuroscience Platform** - \$240,000/year
Responsible for the communications aim of the CONP – a pan-Canadian \$11 million initiative to make neuroscience transparent and reproducible
- 06/15 – present** **Montreal Heart Institute Foundation** - \$200,000
Magnetic resonance imaging of the heart-brain axis
- 07/17 – 07/20** **Fonds de Recherche du Québec – Santé** - \$60,000
Subvention d'établissement jeune chercheur
- 07/17 – 07/21** **Fonds de Recherche du Québec – Santé** - ~\$70,000/year
Salary award, Chercheurs-boursiers – Junior 1

- 04/16 – 04/21** **National Sciences and Engineering Research Council - \$125,000**
A multi-modal framework for characterizing myelin microstructure
- 04/16** **Canada Foundation for Innovation Leaders Fund - \$431,728**
A system for real-time magnetic resonance imaging of the brain-heart axis
- 01/15 – 01/16** **Quebec Bioimaging Network - \$15,000**
A clinically feasible MR protocol for in vivo histology of the myelin g-ratio
- 01/14** **International Outreach Grant from the International Society for Magnetic Resonance in Medicine - \$15,000**
- 07/10 – 07/12** **Postdoctoral Fellowship from the MNI Centre of Excellence in Commercialization and Research - \$50,000/year for four years**
- 06/11** **International Outreach Grant from the International Society for Magnetic Resonance in Medicine - \$15,000**
- 09/08** **International Outreach Grant from the International Society for Magnetic Resonance in Medicine - \$15,000**

INVITED TALKS (in person):

- 09/21** **5ème congrès scientifique de la Société Française de Résonance Magnétique en Biologie et Médecine, Lyon France**
“Reproducibility and the future of MRI research”
- 12/19** **Siemens CEST Imaging Symposium, Toronto, Canada**
“MT/CEST analysis tools and getting people to use them”
- 11/19** **Lorentz Workshop in Leiden, Netherlands**
“Science communication and open publishing”
- 09/19** **Center for Maternal Fetal and Neonatal Medicine, Barcelona, Spain**
“Open science: With great data comes great responsibility”
- 09/19** **SSIMA International Summer School, Bucharest, Romania**
“An open science approach to magnetic resonance imaging”
- 02/19** **22nd Annual Meeting of the Society for Cardiovascular Magnetic Resonance, Seattle, USA**
“An open science approach to standardizing T1 mapping”
- 10/18** **XX Reunión de Neuroimagen, CIMAT, Guanajuato, Mexico**
“Myelin and g-ratio imaging”
- 06/18** **Workshop on axon diameter mapping, Paris, France**

- “Frontiers of g-ratio mapping”
- 06/18** **25th Annual meeting of the International Society for Magnetic Resonance in Medicine, Paris, France**
“Analysis pipeline sharing: Making life easier?”
- 03/18** **Lorentz Center, Workshop on Iron, Myelin and the Brain**
Leiden University, Leiden, Netherlands
“MRI: quantifying myelination in grey and white matter”
- 02/18** **Faculty of Computer Science and Engineering**
University Ss. Cyril and Methodius, Skopje, Macedonia
“The Canadian Open Neuroscience Platform”
- 11/17** **Translational and Molecular Imaging Institute**
Icahn School of Medicine at Mount Sinai, New York City, USA
“Let’s be blunt: managing expectations for microstructural MRI”
- 10/17** **Institut du cerveau et de la moelle épinière (ICM), Pitié-Salpêtrière**
Hospital, Paris, France
“The elephant in the qMRI room”
- 09/17** **Fourth Magnetic Resonance Balkan Seminar, Ljubljana, Slovenia**
“Microstructural imaging: the missing link in connectomics”
- 06/17** **23rd Annual meeting of the Organization for Human Brain**
Mapping, Vancouver, Canada
“Histological validation of myelin biomarkers in white matter”
“Increasing SNR in science communication”
- 05/17** **Macedonian Academy of Sciences and Arts, Skopje, Macedonia**
“Toward a stronger signal in science communication”
- 04/17** **24th Annual meeting of the International Society for Magnetic**
Resonance in Medicine, Honolulu, USA
Secret session on science communication: “SciComm Speakeasy”
ISMRM Leadership Panel: “How to get involved with the ISMRM”
- 04/17** **NYU Center for Advanced Imaging Innovation and Research, New**
York University School of Medicine, New York, USA
“To microstructural imaging and beyond: separating the signal from the noise”
- 02/17** **Japanese Society for Neuroradiology Annual Meeting, Tokyo, Japan**
“Getting started in myelin imaging”
“Promises and pitfalls of microstructural myelin imaging”
- 10/16** **Stanford University Dept. of Electrical Engineering, Stanford, USA**
“Let’s talk about MRI Communication”
- 05/16** **CiNET, Osaka, Japan**

“Myelin g-ratio imaging: promises and pitfalls”

- 05/16** **24th Annual meeting of the International Society for Magnetic Resonance in Medicine: Educational Session, Singapore**
Controversies in diffusion and functional MRI: “Benefits of a multi-modal approach”
- 03/16** **Institut des Neurosciences Translationnelles de Paris 1st CENIR-MRI Workshop: Translational Research with Multi Modal Imaging, Paris, France**
“Myelin g-ratio imaging: promises and pitfalls”
- 09/15** **43rd Annual meeting of the Japanese Society for Magnetic Resonance in Medicine, Tokyo, Japan**
Cutting edge-special lecture: “Characterizing the myelin microstructure with multi-modal MRI”
- 06/15** **21st Annual meeting of the Organization for Human Brain Mapping: Morning Symposium, Honolulu, USA**
“Toward a bigger brain: non-invasive characterization of brain microstructure”
- 05/15** **23rd Annual meeting of the International Society for Magnetic Resonance in Medicine: Educational Session, Toronto, Canada**
“Multi-modal MR modeling”
- 07/14** **National Institute of Standards and Technology: Workshop on Standards for Quantitative MRI, Boulder, USA**
“T1 Mapping: Searching for Common Ground”
- 05/14** **Third Magnetic Resonance Balkan Outreach Program, Ankara, Turkey**
“Multi-modal White Matter Imaging”
- 05/14** **École Polytechnique, Department of Electrical Engineering, Montreal, Canada**
“Histologie in vivo à l'aide de l'imagerie par résonance magnétique quantitative”
- 05/14** **Virtual Meeting of the White Matter Study Group of the International Society for Magnetic Resonance in Medicine, Berkeley, USA**
“Characterizing White Matter Microstructure with *in vivo* Histology”
- 05/14** **22nd Annual Meeting of the International Society for Magnetic Resonance in Medicine, Milan, Italy**
“*In vivo* Measurement of the Myelin g-ratio with Histological Validation”
- 04/14** **BrainHack Montreal, Montreal, Canada**
“Modeling White Matter Microstructure”

- 12/13 **Harvard University/MIT, Athinoula Martinos Center for Biomedical Imaging, Boston, USA**
"In vivo magnetic resonance imaging of the myelin g-ratio"
- 12/13 **University of Calgary, Hotchkiss Brain Institute, Calgary, Canada**
"In vivo magnetic resonance imaging of the myelin g-ratio"
- 11/13 **University of California San Francisco, Department of Radiology, San Francisco, USA**
"In vivo magnetic resonance imaging of the myelin g-ratio"
- 11/13 **Stanford University, Center for Cognitive and Neurobiological Imaging, Stanford, USA**
"In vivo magnetic resonance imaging of the myelin g-ratio"
- 11/13 **University of Pennsylvania, Center for Functional Neuroimaging, Philadelphia, USA**
"In vivo magnetic resonance imaging of the myelin g-ratio"
- 02/13 **Douglas Mental Health University Institute, Montreal, Canada**
 "Quantitative Magnetic Resonance Imaging: Key to Measuring Tissue Microstructure"
- 10/12 **Bilkent University, Ankara, Turkey**
 "Measuring Tissue Microstructure with Quantitative Magnetic Resonance Imaging"
- 8/11 **ISMRM White Matter Study Group International Workshop on Advanced White Matter Imaging, Reykjavik, Iceland**
 "Quantitative Magnetization Transfer Tutorial"
- 11/10 **Second Conference on Medical Physics and Biomedical Engineering, Skopje, Macedonia**
 "Cross-relaxation Imaging"
- 6/10 **Uppsala University Department of Information Technology, Uppsala, Sweden**
 "Quantitative Magnetic Resonance Imaging: A Key to Modeling Tissue Microstructure"
- 8/08 **First International Seminar for MRI in the Republic of Macedonia, Ohrid, Macedonia**
 "Integrating Bound Pool Fractions and Diffusion Tensor Imaging"

BOOK CHAPTERS (Underlined are supervised HQPs):

Boudreau M., Keenan K., **Stikov N.** (2020) Quantitative T1 and T1ρ Mapping. In: Editor(s): Nicole Seiberlich, Vikas Gulani, Fernando

Calamante, Adrienne Campbell-Washburn, Mariya Doneva, Houchun Harry Hu, Steven Sourbron. *Advances in Magnetic Resonance Technology and Applications*, Academic Press.
<https://doi.org/10.1016/B978-0-12-817057-1.00004-4>

Barral J.K., Friedrich M.G., **Stikov N.** (2018) Fundamentals of Cardiac T1 Mapping. In: Yang P. (eds) *T1-Mapping in Myocardial Disease*. Springer, Cham. https://doi.org/10.1007/978-3-319-91110-6_1

JOURNAL PUBLICATIONS (Underlined are supervised HQPs):

Karakuzu A, Boudreau M, Duval T, Boshkovski T, Leppert IR, Cabana JF, Gagnon I, Beliveau P, Pike GB, Cohen-Adad J, **Stikov N.** qMRLab: Quantitative MRI Analysis, under one umbrella. *Journal of Open Source Software*, 5(53), 2343. <https://doi.org/10.21105/joss.02343> (2020)

Mancini M, Karakuzu A, Cohen-Adad J, Cercignani M, Nichols T*, **Stikov N***. An interactive meta-analysis of MRI biomarkers of myelin. (2020). *eLife* 2020; 9:e61523 DOI: [10.7554/eLife.61523](https://doi.org/10.7554/eLife.61523)

Boshkovski T, Kocarev L, Cohen-Adad J, Mišić B, Lehericy S, **Stikov N***, Mancini M*. The R1-weighted connectome: complementing brain networks with a myelin-sensitive measure. *Network Neuroscience* (2020): <https://doi.org/10.1162/netn.a.00179>

Mangeat, G., Ouellette, R., Wabartha, M., De Leener, B., Platten, M., Karrenbauer, V.D., Warntjes, M., **Stikov, N.**, Mainero, C., Cohen-Adad, J. & Granberg, T. (2020). Machine Learning and Multiparametric Brain MRI to Differentiate Hereditary Diffuse Leukodystrophy with Spheroids from Multiple Sclerosis. *Journal of Neuroimaging*: <https://doi.org/10.1111/jon.12725>

Saliani, A., Zaimi, A., Nami, H., Duval, T., **Stikov, N.**, Cohen-Adad, J. (2019). Construction of a rat spinal cord atlas of axon morphometry. *Neuroimage*, 202, 14 pages. Retrieved from <https://doi.org/10.1016/j.neuroimage.2019.116156>

Badji, A., Adrian, N.d.l.C., Karakuzu, A., Duval, T., Desjardins-Crepeau, L., Parizet, M., Joubert, S., Bherer, L., Lamarre-Cliche, M., **Stikov, N.**, Cohen-Adad, J. & Girouard, H. (2020). Arterial stiffness cut-off value and white matter integrity in the elderly. *Neuroimage-Clinical*, 26, 11 pages. Retrieved from <https://doi.org/10.1016/j.nicl.2019.102007>

Stikov N, Trzasko JD, Bernstein MA. Reproducibility and the Future of MR Research. *Magnetic Resonance in Medicine* (2019) 82: 1981- 1983 <https://doi.org/10.1002/mrm.27939>

Duval, T., Saliani, A., Nami, H., Nanci, A., **Stikov, N.**, Leblond, H. & Cohen-Adad, J. (2019). Axons morphometry in the human spinal

cord. *NeuroImage*, 185, 119-128. Retrieved from <https://doi.org/10.1016/j.neuroimage.2018.10.033>

Hafyane T, Karakuzu A, Duquette C, Mongeon FP, Cohen-Adad J, Jerosch-Herold M, Friedrich MG, **Stikov N**. Let's talk about cardiac T₁ mapping. Submitted to *Magnetic Resonance in Medicine* (2018)

Campbell JSW, Leppert IR, Narayanan S, Duval T, Cohen-Adad J, Pike GB, **Stikov N**. Promise and pitfalls of g-ratio estimation with MRI. *NeuroImage* (2018). doi.org/10.1016/j.neuroimage.2017.08.038

Stikov N, Alexander DC, Pike GB. Neuroimage special issue on microstructure – Editorial. 182: 1-2. 10.1016/j.neuroimage.2018.07.061

Mangeat G, Badji A, Ouellette R, Treaba CA, Herranz E, Granberg T, Louapre C, **Stikov N**, Sloane JA, Bellec P, Mainero C, Cohen-Adad J. Changes in structural network are associated with cortical demyelination in early multiple sclerosis. *Human Brain Mapping* (2018) Feb 6. 10.1002/hbm.23993

Saliani A, Perraud B, Duval T, **Stikov N**, Rossignol S, Cohen-Adad J. Axon and myelin morphology in animal and human spinal cord. *Frontiers in Neuroanatomy* (2019). 11:129. doi: 10.3389/fnana.2017.00129

Boudreau M, **Stikov N**, Pike GB. B₁-Sensitivity Analysis of Quantitative Magnetization Transfer Imaging. *Magnetic Resonance in Medicine* (2018), 79(1):276-285. doi: 10.1002/mrm.26673.

Lévy S, Guertin MC, Khatibi A, Mezer A, Martinu K, Chen JJ, **Stikov N**, Rainville P, Cohen-Adad J. Test-retest reliability of myelin imaging in the human spinal cord: Measurement errors versus region- and aging-induced variations. *Plos One* (2018), 13(1): e0189944. doi: 10.1371/journal.pone.0189944

De Tillieux, P., Topfer, R., Foias, A., Leroux, I., El Maachi, I., Leblond, H., **Stikov, N.** & Cohen-Adad, J. (2018). A pneumatic phantom for mimicking respiration-induced artifacts in spinal MRI. *Magnetic Resonance in Medicine*, 79(1), 600-605. Retrieved from <https://doi.org/10.1002/mrm.26679>

Pomares FB, Funck T, Feier NA, Roy S, Daigle-Martel A, Ceko M, Narayanan S, Araujo D, Thiel A, **Stikov N**, Fitzcharles MA, Schweinhardt P. Histological Underpinnings of Grey Matter Changes in Fibromyalgia Investigated Using Multimodal Brain Imaging. *Journal of Neuroscience* (2017), 37:1090-1101. doi: 10.1523/JNEUROSCI.2619-16.2016.

Boudreau M, Tardif CL, **Stikov N**, Sled JG, Lee W, and Pike GB. B₁ mapping for bias-correction in quantitative T₁ imaging of the brain at

3T using standard pulse sequences. Journal of Magnetic Resonance Imaging (2017), 46: 1673–1682. doi:10.1002/jmri.25692

Topfer R, Foias A, **Stikov N**, Cohen-Adad J. Real-time correction of respiration-induced distortions in the human spinal cord using a 24-channel shim array. Magnetic Resonance in Medicine (2018), 80: 935-946. doi: 10.1002/mrm.27089.

Mangeat, G., Badji, A., Ouellette, R., Treaba, C.A., Herranz, E., Granberg, T., Louapre, C., **Stikov, N.**, Sloane, J.A., Bellec, P., Mainero, C. & Cohen-Adad, J. (2018). Changes in structural network are associated with cortical demyelination in early multiple sclerosis. *Human Brain Mapping*, 39(5), 2133-2146. Retrieved from <https://doi.org/10.1002/hbm.23993>

Lopez Rios N, Pouliot P, Papoutsis K, Foias A, **Stikov N**, Lesage F, et al. Design and construction of an optimized transmit/receive hybrid birdcage resonator to improve full body images of medium-sized animals in 7T scanner. PLoS ONE (2018), 13(2): e0192035. doi.org/ 10.1371/journal.pone.0192035

De Leener B, Fonov VS, Collins DL, Callot V, **Stikov N**, Cohen-Adad J. PAM50: Unbiased multimodal template of the brainstem and spinal cord aligned with the ICBM152 space. NeuroImage (2018), 165:170-179. doi: 10.1016/j.neuroimage.

Duval T, Smith V, **Stikov N**, Klawiter EC, Cohen-Adad J. Scan-rescan of axcaliber, macromolecular tissue volume, and g-ratio in the spinal cord. Magnetic Resonance in Medicine (2017). 79(5): 2759-2765. doi: 10.1002/mrm.26945.

Mingasson T, Duval T, **Stikov N**, Cohen-Adad J. AxonPacking : An Open-Source Software to Simulate Arrangements of Axons in White Matter. Frontiers in Neuroinformatics (2017). 11:5. doi: 10.3389/fninf.2017.00005.

De Tillieux, P., Topfer, R., Foias, A., Leroux, I., El Maâchi, I., Leblond, H., **Stikov, N.** and Cohen-Adad, J. A pneumatic phantom for mimicking respiration-induced artifacts in spinal MRI. Magnetic Resonance in Medicine (2018). 79(1):600-605. doi: 10.1002/mrm.26679

De Leener B, Mangeat G, Dupont S, **Stikov N**, Fehlings MG, Martin A, Callot V, Cohen-Adad J. Topologically preserving straightening of spinal cord MRI. Journal of Magnetic Resonance Imaging (2017). 46(4): 1209-1219. doi: 10.1002/jmri.25622.

Dupont SM, De Leener B, Taso M, Le Troter A, **Stikov N**, Callot V, Cohen-Adad J. Fully-integrated framework for the segmentation and registration of the spinal cord white and gray matter. NeuroImage (2017). 150: 358-372. doi: 10.1016/j.neuroimage.2016.09.026.2016.

Duval T, **Stikov N**, Cohen-Adad J. Modeling white matter microstructure. Functional Neurology (2016). 31(4): 217-228. doi:10.11138/FNeur/2016.31.4.217

Duval T, Lévy S, **Stikov N**, Campbell J, Mezer A, Witzel T, Keil B, Smith V, Wald LL, Klawiter E, Cohen-Adad J. g-Ratio weighted imaging of the human spinal cord in vivo. NeuroImage (2017), 145A:11-23. doi: 10.1016/j.neuroimage.2016.09.018.

De Leener B, Lévy S, Dupont SM, Fonov VS, **Stikov N**, Collins DL, Callot V, Cohen-Adad J. SCT: Spinal Cord Toolbox, an open-source software for processing spinal cord MRI data. NeuroImage (2017), 145A: 24-43. doi: 10.1016/j.neuroimage.2016.10.009.

Trpevski I, Dimitrova T, Boshkovski T, **Stikov N**, Kocarev Lj. Graphlet characteristics in directed networks. Scientific Reports (2016), 6: 37057. doi: 10.1038/srep37057.

Cabana J-F, Gu Y, Boudreau M, Levesque IR, Sled JG, Narayanan S, Pike GB, Cohen-Adad J, **Stikov N**. Quantitative Magnetization Transfer Imaging Made Easy with qMTLab: Software for Data Simulation, Analysis and Visualisation. Concepts in Magnetic Resonance (2015), 44A(5):263–277. doi:10.1002/cmr.a.21357

Zaimi A, Duval T, Gasecka A, Côté D, **Stikov N**, Cohen-Adad J. AxonSeg: Open Source Software for Axon and Myelin Segmentation and Morphometric Analysis. Frontiers in Neuroinformatics (2016), 10:37. doi: 10.3389/fninf.2016.00037.

Topfer R, Starewicz P, Lo KM, Metzemaekers K, Jette D, Hetherington HP, **Stikov N**, Cohen-Adad J. (2016), A 24-channel shim array for the human spinal cord: Design, evaluation, and application. Magnetic Resonance in Medicine (2016), 76(5):1604-1611. doi: 10.1002/mrm.26354.

Brown RA, Narayanan S, **Stikov N**, Cook S, Cadavid D, Wolansky L, Arnold DL. MTR Recovery in the BECOME Study of Glatiramer Acetate Versus Interferon β -1b. Neurology (2016), 87(9):905-11. doi: 10.1212/WNL.0000000000003043.

Teixeira T, Hafyane T, Akdeniz C, Greiser A, **Stikov N**, Friedrich MG. Comparison of Different Techniques for Estimation of Native T1 mapping at 3.0T. Journal of Cardiovascular Magnetic Resonance (2016), 18: 65. doi.org/10.1186/s12968-016-0286-6

Stikov N*, Campbell JSW*, Stroh T, Lavelée M, Frey S, Novek J, Petrides M, Nuara S, Ho M, Bedell BJ, Dougherty RF, Leppert IR, Boudreau M, Narayanan S, Picard P, Duval T, Cohen-Adad J, Gasecka

* **These authors contributed equally to this work**

A, Côté D, Pike GB. In vivo histology of the myelin g-ratio with magnetic resonance imaging. NeuroImage (2015), 118: 397–405.

Stikov N*, Campbell JSW*, Stroh T, Lavelée M, Frey S, Novek J, Petrides M, Nuara S, Ho M, Bedell BJ, Dougherty RF, Leppert IR, Boudreau M, Narayanan S, Picard P, Duval T, Cohen-Adad J, Gasecka A, Côté D, Pike GB. Quantitative analysis of the myelin g-ratio from electron microscopy images of the macaque corpus callosum. Data in Brief (2015), 4: 368-373.

Stikov N, Boudreau M, Tardif CL, Levesque IR, Barral JK, Pike GB. On the Accuracy of T1 Mapping: Searching for Common Ground. Magnetic Resonance in Medicine (2015), 73(2): 514-522.

Mezer AA, Yeatman J, **Stikov N**, Kay K, Cho N, Dougherty RF, Perry LM, Parvizi J, Hua LH, Butts-Pauly K, Wandell BA. Measuring within the Voxel: Brain Tissue Volume in Individual Subjects. Nature Medicine (2013), 19: 1667-1672.

Cheng HLM, **Stikov N**, Ghugre N, Wright GA. Practical Clinical Applications of MR relaxometry. Journal of Magnetic Resonance Imaging (2012), 36(4): 805-824.

Stikov N. Improving the Accuracy of Cross-relaxation Imaging. International Journal of Imaging Systems and Technology (2012), 22(1): 67-72.

Stikov N, Keenan KE, Pauly JM, Smith RL, Dougherty RF, Gold GE. Cross-relaxation Imaging of Human Articular Cartilage. Magnetic Resonance in Medicine (2011), 66(3): 725-734.

Miller KL, Tijssen RHN, **Stikov N**, Okell T. Steady-state MRI: Methods for Neuroimaging. Imaging in Medicine (2011), 3(1): 93-105.

Stikov N, Perry LM, Ryklevskaya E, Mezer A, Wandell BA, Pauly JM, Dougherty RF. Bound Pool Fractions Complement Diffusion Measures in Characterizing White Matter Micro and Macrostructure. NeuroImage (2011), 54(2): 1112-1121.

Barral JK, Gudmundson E, **Stikov N**, Etezadi-Amoli M, Stoica P, Nishimura DG. A Robust Methodology for T1 Mapping. Magnetic Resonance in Medicine (2010), 64(4): 1057-1067.

CONFERENCES (After 2019 only last author abstracts are listed):

Karakuzu, A., Boudreau, M., Duval, T., Leppert, I.R., Cohen-Adad, J. & **Stikov, N.** (2019). qMRLab: an open source software project for streaming quantitative magnetic resonance imaging. In Proceedings of

the 27th ISB Congress and 43rd ASB annual Meeting, Calgary, AB, Canada

Boshkovski, T., Badji, A., Janic, P., Kocarev, L., Cohen-Adad, J., Giorgio, A., De Stefano, N., Misic, B. & **Stikov, N.** (2019). The myelin-weighted connectome : a new look at multiple sclerosis. In: Proceedings the ISMRM 27th Annual Meeting & Exhibition, Montreal, Qc.

Karakuzu, A., Boudreau, M., Duval, T., Leppert, I.R., Boshkovski, T., Cohen-Adad, J. & **Stikov, N.** (2019). The qMRLab workflow : form acquisition to publication. Paper presented at the ISMRM 27th Annual Meeting & Exhibition, Montreal, Qc.

A. Karakuzu, C. Pernet, T. Duval, J. Cohen-Adad, **N. Stikov.** (2018). A statistical framework for evaluating the reliability of myelin imaging. In: Proceedings of the ISMRM 26th Annual Meeting, Paris 2018

T. Duval, I.R. Leppert, J.-F. Cabana, M. Boudreau, I. Gagnon, G. Berestovoy, J. Cohen-Adad, and **N. Stikov.** (2018). Quantitative MRI made easy with qMRLab. In: Proceedings of the ISMRM 26th Annual Meeting, Paris 2018

G. Mangeat, R. Ouellette, M. Warntjes, M. Plattén, L.E. Nordin, **N. Stikov,** T. Granberg, and J. Cohen-Adad. Accuracy and precision of Synthetic MRI. In: Proceedings of the ISMRM 26th Annual Meeting, Paris 2018

G. Mangeat, R. Ouellette, M. Wabartha, V.D. Karrenbauer, M. Warntjes, **N. Stikov,** C. Mainero, J. Cohen-Adad, T. Granberg. Machine learning and rapid multi-parametric relaxometry can differentiate demyelinating disorders with high accuracy. In: Proceedings of the ISMRM 26th Annual Meeting, Paris 2018

M. Vuong*, T. Duval, J. Cohen-Adad, N. Stikov. On the Precision of Myelin Imaging: Characterizing Ex Vivo Dog Spinal Cord with MRI and Histology. Proceedings of the ISMRM 25th Annual Meeting, Honolulu 2017

S. Levy, A. Khatibi, G. Mangeat, J. Chen, K. Martinu, P. Rainville, N. Stikov, J. Cohen-Adad. Statistical Combinations of T1, MTR, MTsat and Macromolecular Tissue Volume to Improve Myelin Content Estimation in the Human Spinal Cord at 3T. Proceedings of the ISMRM 25th Annual Meeting, Honolulu 2017

B. De Leener, V. Fonov, D.L. Collins, V. Callot, N. Stikov, J. Cohen-Adad. PAM50: Multimodal Template of the Brainstem and Spinal Cord Compatible with the ICBM152 Space. Proceedings of the ISMRM 25th Annual Meeting, Honolulu 2017

J.S.W. Campbell, I.R. Leppert, M. Boudreau, S. Narayanan, J. Cohen-Adad, G.B. Pike, **N. Stikov.** (2016). Caveats of miscalibration of myelin

metrics for g-ratio imaging. In: Proceedings of the OHBM 22nd Annual Meeting, Geneva 2016

***Oral presentation**

B. De Leener, J. Touati, M. Taso, V. Fonov, A. Le Troter, **N. Stikov**, D.L. Collins, V. Callot, J. Cohen-Adad. (2016). Fully-integrated T1,T2, T2*, white and gray matter atlases of the spinal cord. In: Proceedings of the ISMRM 24th Annual Meeting, Singapore 2016

***Summa Cum Laude Merit Award**

J.S.W. Campbell, I.R. Leppert, M. Boudreau, S. Narayanan, J. Cohen-Adad, G.B. Pike, **N. Stikov**.(2016). Mapping the myelin g-ratio: promises and pitfalls. In: Proceedings of the ISMRM 24th Annual Meeting, Singapore 2016

T. Duval, B. Perraud, **N. Stikov**, J. Cohen-Adad. (2016). Optimizing the precision and accuracy of AxCaliber in the spinal cord. In: Proceedings of the ISMRM 24th Annual Meeting, Singapore 2016

***Summa Cum Laude Merit Award**

J.F. Cabana*, Y. Gu, M. Boudreau, I.R. Levesque, Y. Atchia, J.G. Sled, S. Narayanan, D.L. Arnold, G.B. Pike, J. Cohen-Adad, T. Duval, M.T. Vuong*, **N. Stikov**. QuantitativeMagnetization Transfer Imaging Made Easy with qMTLab: Software for DataSimulation, Analysis and Visualization. In: Proceedings of the ISMRM 24th Annual Meeting, Singapore 2016

S. Dupont, B. De Leener, M. Taso, **N. Stikov**, V. Callot, J. Cohen-Adad. Fully-integrated framework for registration of spinal cord white and gray matter. In: Proceedings of the ISMRM 24th Annual Meeting, Singapore 2016

T. Duval, B. Perraud, M.T. Vuong, N.L. Rios, **N. Stikov**, J. Cohen-Adad. Validation of quantitative MRI metrics using full slice histology with automatic axon segmentation. In: Proceedings of the ISMRM 24th Annual Meeting, Singapore 2016

G. Germain, J.P. Stockmann, R. Topfer, L.L. Wald, **N. Stikov**, J. Cohen-Adad. Optimization of geometry for combined RF/shim coil arrays for the spinal cord. In: Proceedings of the ISMRM 24th Annual Meeting, Singapore 2016

R. Topfer, G. Germain, J. Stockmann, K. Metzemaekers, H.P. Hetherington, R. Paquin, P. Starewicz, **N. Stikov**, J. Cohen-Adad. Very-high order shimming in the human spinal cord using a dedicated 24-channel array coil. In: Proceedings of the ISMRM 24th Annual Meeting, Singapore 2016

G. Mangeat, R. Ouellette, C.A. Treaba, T.E. Granberg, E. Herranz, C. Louapre, **N. Stikov**, J.A. Sloane, E.C. Klawiter, C. Mainero, J. Cohen-Adad. Association between cortical demyelination and structural

connectomics in early multiple sclerosis. In: Proceedings of the ISMRM 24th Annual Meeting, Singapore 2016

T. Duval, S. Levy, **N. Stikov**, A. Mezer, T. Witzel, B. Keil, V. Smith, L.L. Wald, E.C. Klawiter, J. Cohen-Adad. In vivo mapping of myelin g-ratio in the human spinal cord. In: Proceedings of the ISMRM 23rd Annual Meeting, Toronto 2015

***Summa Cum Laude Merit Award**

T. Duval, A. Gasecka, P. Pouliot, D. Côté, N. Stikov, J. Cohen-Adad. (2015). Validation of MRI microstructure measurements with Coherent Anti-Stokes Raman Scattering (CARS). Proceedings of the ISMRM 23rd Annual Meeting, Toronto 2015

M. Boudreau, N. Stikov, G.B. Pike. (2015). B1 Sensitivity Analysis of qMT. Proceedings of the ISMRM 23rd Annual Meeting, Toronto 2015

N. Stikov, J. S.W. Campbell, M. Boudreau, S. Narayanan, T. Stroh, S. Nuara, J. Novek, S. Frey, M. Ho, B. Bedell, G.B. Pike. *In vivo* Histology of the Myelin g-ratio. In: Proceedings of the OHBM 20th Annual Meeting, Hamburg 2014

N. Stikov, J. S.W. Campbell, M. Lavallée, T. Stroh, S. Frey, J. Novek, S. Nuara, M. Ho, B. Bedell, G.B. Pike. *In vivo* Measurement of the Myelin g-ratio with Histological Validation. In: Proceedings of the ISMRM 22nd Annual Meeting, Milan 2014

*** Magna Cum Laude Merit Award, White Matter Study Group 1st Place Winner**

J.S.W. Campbell, **N. Stikov**, R.F. Dougherty, G.B. Pike. Combined NODDI and qMT for full-brain g-ratio mapping with complex subvoxel microstructure. In: Proceedings of the ISMRM 22nd Annual Meeting, Milan 2014

*** One of six abstracts selected for a special Focused Discussion Session**

M. Boudreau, **N. Stikov**, G.B.Pike. A B₁ Insensitive qMT Protocol. In: Proceedings of the ISMRM 22nd Annual Meeting, Milan 2014

M. Boudreau, C. L. Tardif, **N. Stikov**, G.B.Pike. A Comparison of B₁ Mapping Methods for T₁ Mapping at 3T. In: Proceedings of the ISMRM 22nd Annual Meeting, Milan 2014

J. S.W. Campbell, **N. Stikov**, M. Lavallée, T. Stroh, S. Frey, J. Novek, S. Nuara, M. Ho, B. Bedell, G.B. Pike. Full brain g-ratio mapping with NODDI-based axon volume fraction. In Proceedings of the ISMRM Diffusion Study Group Workshop on Diffusion as a Probe of Neural Tissue Microstructure, Podstrana, Croatia 2013

N. Stikov, A. Giorgio, J.S.W. Campbell, E. Mazerolle, S. Narayanan, N. De Stefano, G.B. Pike. A Region of Interest Approach to Multiple

Sclerosis Tractometry. In: Proceedings of the ISMRM White Matter Study Group Workshop on Multiple Sclerosis as a Whole-brain Disease, London 2013

N. Stikov, A. Giorgio, J.S.W. Campbell, E. Mazerolle, N. De Stefano, G.B. Pike. Magnetization Transfer Ratio Tractometry in Multiple Sclerosis. In: Proceedings of the ISMRM 21st Annual Meeting, Salt Lake City 2013

M. Boudreau, **N. Stikov**, G.B.Pike. T1 Mapping: Should we Agree to Disagree? In: Proceedings of the ISMRM 21st Annual Meeting, Salt Lake City 2013

N. Stikov, C.L. Tardif, I. Levesque, J.K. Barral, G.B. Pike. Validation of T1 Mapping Techniques: Are Phantom Studies Sufficient? In: Proceedings of the ISMRM 20th Annual Meeting, Melbourne 2012

I.R. Levesque, **N. Stikov**, G.B. Pike. Methods for Quantitative Magnetization Transfer Imaging. Proceedings of the ISMRM 20th Annual Meeting, Melbourne 2012

*** Magna Cum Laude Merit Award**

N. Stikov, C.L. Tardif, I. Levesque, J.K. Barral, G.B.Pike. A Comparison of T₁ Mapping Methods in White Matter. In: Proceedings of the ISMRM White Matter Study Group International Workshop on Advanced White Matter Imaging, Reykjavik 2011

N. Stikov, B. Sveinsson, C.L. Tardif, R.F. Dougherty, G.B. Pike. Modeling MR-based g-ratio Measurements in Demyelinating Diseases. In: Proceedings of the Organization for Human Brain Mapping 17th Annual Meeting, Quebec City 2011

N. Stikov, L.M. Perry, E. Ryklevskaya, A. Mezer, B. A. Wandell, J.M. Pauly, R. F. Dougherty. Modeling and Measuring the Myelin g-ratio. In: Proceedings of the ISMRM 19th Annual Meeting, Montreal 2011

C. L. Tardif, **N. Stikov**, I. Levesque, G. B. Pike. A Comparison of B1 Mapping Methods. In: Proceedings of the ISMRM 19th Annual Meeting, Montreal 2011

I. Levesque, **N. Stikov**, G. B. Pike, J. M. Pauly. Drift in the Magnetization Transfer Signal: Effect in Quantitative MT Experiments. In: Proceedings of the ISMRM 19th Annual Meeting, Montreal 2011

A. Mezer, R.F. Dougherty, **N. Stikov**, B. A. Wandell. Using Proton Density and T1 Images to Quantify Brain Tissue. In: Proceedings of the Society for Neuroscience 40th Annual Meeting, San Diego 2010

N. Stikov, K. E. Keenan, J. M. Pauly, R. Smith, R.F. Dougherty, G.E. Gold. Bound Pool Fractions Correlate with Proteoglycan and Collagen

Content in Articular Cartilage. In: Proceedings of the ISMRM 18th Annual Meeting, Stockholm 2010

N. Stikov, L. M. Perry, A. Mezer, J. M. Pauly, B. A. Wandell, R. F. Dougherty. In-vivo Measurement of the Myelin g-ratio in Humans by Combining Diffusion and Bound Pool Fractions. In: Proceedings of the Organization for Human Brain Mapping 16th Annual Meeting, Barcelona 2010

N. Stikov, L. M. Perry, J. M. Pauly, B. A. Wandell, R. F. Dougherty. Bound Pool Fractions Complement Diffusion Measurements in Characterizing White Matter Pathways. In: Proceedings of the Organization for Human Brain Mapping 15th Annual Meeting, San Francisco 2009

J. K. Barral, **N. Stikov**, E. Gudmunson, P. Stoica, D. G. Nishimura. Skin T₁ Mapping at 1.5T, 3T, and 7T. In: Proceedings of the ISMRM 17th Annual Meeting, Honolulu 2009

N. Stikov, K. E. Keenan, K. L. Miller, J. K. Barral, G. E. Gold, J. M. Pauly. Balanced SSFP Asymmetries in Cartilage. In: Proceedings of the ISMRM 17th Annual Meeting, Honolulu 2009

N. Stikov, L. M. Perry, J. M. Pauly, B. A. Wandell, R. F. Dougherty. Quantifying White Matter: Integrating Diffusion Tensor Imaging and Bound Pool Fractions. In: Proceedings of the ISMRM 17th Annual Meeting, Honolulu 2009

N. Stikov, K. E. Keenan, G. E. Gold, J. M. Pauly. Cartilage Bound Pool Fraction Maps In-vivo. In: Proceedings of the ISMRM Musculoskeletal Workshop Series, San Francisco 2009

R. F. Dougherty, **N. Stikov**, B. A. Wandell, J. M. Pauly. Quantitative MRI and DTI of Human White Matter Tracts Reveals Myelin Density Differences Across Tracts. In: Proceedings of the Society for Neuroscience 38th Annual Meeting, Washington 2008

N. Stikov, R. F. Dougherty, J. M. Pauly. B1 Correction for Improved Bound Pool Fraction Maps. In: Proceedings of the ISMRM 16th Annual Meeting, Toronto 2008

N. Stikov, A. Mutapcic, J. M. Pauly. Optimized Design of Single-sided Quadratic Phase Outer Volume Suppression Pulses for Magnetic Resonance Imaging. In: Proceedings of the 11th Mediterranean Conference on Medical and Biological Engineering and Computing, Ljubljana 2007

J. Barral, M. Lustig, **N. Stikov**, D. G. Nishimura. RF Pulse Design for High Resolution Skin Imaging with FLASE. In: Proceedings of the ISMRM 15th Annual Meeting, Berlin 2007

N. Stikov, T. Cukur, R.F. Dougherty, B. A. Wandell, J. M. Pauly. Sensitivity Analysis of Cross-relaxation Imaging. In: Proceedings of the ISMRM 15th Annual Meeting, Berlin 2007

N. Stikov, C. Cunningham, M. Lustig, J.M. Pauly. Single-sided Quadratic Phase Outer Volume Suppression Pulses. In: Proceedings of the ISMRM 14th Annual Meeting, Seattle 2006

MEDIA:

Profiled:

[Flash Interview](#) – Interviewed by Julie Fitzpatrick for the ISMRM YouTube channel

[Motivational speech](#) – for the Macedonian Association of Prestigious Academic Citizens

[The Brain as an Eternal Challenge](#) – Interviewed by the Macedonian weekly magazine Republika

[The 21st Century will be the Century of the Brain](#) – Interviewed by the Macedonian weekly magazine Republika

[The Brain is a Strange Loop](#) – Interviewed by Macedonian news portal MKD.mk

Authored:

[#OHBM2017: Meet the Leadership](#) – Interview with Alan Evans, OHBM Council Chair

[Open Science Topic: NeuroDebian](#) – Interview with Yaroslav Halchenko and Michael Hanke

[The BrainMapping Blog is turning One](#) – My goodbye as OHBM blog captain after navigating it for 52 weeks and 52 posts, which generated over 20,000 unique visitors

[OHBM Replication Award](#) – Q&A with Chris Gorgolewski

[Free Beer and Free Speech](#) – A conversation with Pierre Bellec and Samir Das

[Keep Calm and Scan On](#) – A consensus statement from the OHBM Communications Committee, which was [cited](#) in the New York Times

[Welcome to the Official Blog of OHBM](#) – An introductory blog post outlining the vision for the OHBM communication strategy

[Video interview with Kirstie Whitaker](#) – OHBM Open Science SIG member

[Video interview with Pierre Bellec](#) – Organizer of OHBM Hackathon

[Video interview with Samir Das](#) – Co-organizer of OHBM Hackathon

[Balkan OHBM panel](#) – A conversation with Kalina Christoff (University of British Columbia), Bogdan Draganski (University of Lausanne), Lana Vasung (Harvard Medical School), Bratislav Mistic (McGill University), Branislava Curcic-Blake

[Q&A with Garry Gold](#) – Interview for MR Pulse

[Q&A with Stephen Cauley and Larry Wald](#) – Interview for MRM Highlights

[Q&A with Dmitry Kurzhunov and Michael Bock](#) – Interview for MRM Highlights

[Q&A with Kelly McPhee and Alan Wilman](#) – Interview for MRM Highlights

[Q&A with Nara Higano, Andrew Hahn and Jason Woods](#) – Interview for MRM Highlights

[Q&A with Gabriel Devenyi and Jamie Near](#) – Interview for MRM Highlights

[Q&A with Dongmei Wu and E. Mark Haacke](#) – Interview for MRM Highlights

[Q&A with Eric Pierre and Mark Griswold](#) – Interview for MRM Highlights

[Q&A with Yunkou Wu and Dean Sherry](#) – Interview for MRM Highlights

[Q&A with Hojin Ha](#) – Interview for MRM Highlights

[Q&A with Jim Pipe](#) – Interview for MRM Highlights

[Q&A with Stephen Patrick and Kevin Brindle](#) – Interview for MRM Highlights

[Q&A with Giulia Ginami and Davide Piccini](#) – Interview for MRM Highlights

[Q&A with Alexander J.E. Raaijmakers and Cornelis “Nico” van den Berg](#) – Interview for MRM Highlights

[Q&A with Dariya Malyarenko and Tom Chenevert](#) – Interview for MRM Highlights

[Q&A with Li Feng and Ricardo Otazo](#) – Interview for MRM Highlights

[Q&A with Jonathan Polimeni and Lawrence Wald](#) – Interview for MRM Highlights

[Q&A with Gwendolyn Van Steenkiste and Jan Sijbers](#) – Interview for MRM Highlights

[Q&A with Hye-Young Heo and Jinyuan Zhou](#) – Interview for MRM Highlights

[Q&A with Tijn van der Velden and Dennis Klomp](#) – Interview for MRM Highlights

[Q&A with Michael Herbst and Thomas Ernst](#) – Interview for MRM Highlights

[Q&A with Benjamin Zahneisen and Benedikt Poser](#) – Interview for MRM Highlights

[Q&A with Nicholas Zwart and James Pipe](#) – Interview for MRM Highlights

[Q&A with Isabell Steinseifer and Arend Heerschap](#) – Interview for MRM Highlights

[Q&A with Jussi Toivonen and Ivan Jambor](#) – Interview for MRM Highlights

[Q&A with Anuj Sharma and Will Grissom](#) – Interview for MRM Highlights

[Q&A with Maximilian Haeberlin and Klaas Pruessmann](#) – Interview for MRM Highlights

[Q&A with Kawin Setsompop](#) – Interview for MRM Highlights

[Q&A with Yi Wang and David Pitt](#) – Interview for MRM Highlights

[Q&A with Bo Zhao and Zhi-Pei Liang](#) – Interview for MRM Highlights

OTHER:

Basic Business Skills Certificate – Desautels Faculty of Management,
McGill University, December 2012

Languages – Macedonian, Bosnian/Serbian/Croatian, English, French,
German.

REFERENCES:

John Pauly, PhD

Professor/PhD Advisor
Department of Electrical Engineering
Stanford University, Stanford, USA
E-mail: pauly@stanford.edu

Bruce Pike, PhD

Professor/Postdoctoral supervisor
Department of Biomedical Engineering, Neurology and Neurosurgery,
Medical Physics and Radiology
McGill University, Montreal, Canada
E-mail: bruce.pike@mcgill.ca

Brian Wandell, PhD

Professor/Collaborator
Department of Psychology and by courtesy Electrical Engineering
Stanford University, Stanford, USA
E-mail: wandell@stanford.edu

Garry Gold, MD

Professor/Collaborator
Department of Radiology and by courtesy Bioengineering and
Orthopaedic Surgery.
Stanford University, Stanford, USA
E-mail: gold@stanford.edu