IRENA ROT

Curriculum Vitae

Department of Medical Neuroscience
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PERSONAL: Born August 12, 1969; Belgrade, Serbia (former Yugoslavia)

CITIZENSHIPS: Canadian and Serbian

EDUCATION

Ph.D. (2004)	Doctor of Philosophy in Anatomy; Department of Anatomy and Neurobiology, Dalhousie University, Halifax, Canada.
M.Sc. (1998)	Biology Department, University of Belgrade, Yugoslavia
B.Sc. (1994)	Biology Department, University of Belgrade, Yugoslavia

CURRENT POSITION AND PROFESSIONAL EXPERIENCE:

2008 – present	**Assistant Professor**, Department of Medical Neuroscience, Faculty of Medicine, Dalhousie University
2007 – 2008	**Research Assistant**, Department of Anatomy and Neurobiology, Faculty of Medicine, Dalhousie University
2004 – 2007	**Post-Doctoral Fellow**, Department of Anatomy & Neurobiology, Faculty of Medicine, Dalhousie University.

TEACHING EXPERIENCE:

2011 – present	Course organizer, Human Gross Anatomy for **Physiotherapy** and **Occupational Therapy** students (graduate level); Faculty of Medicine, Dalhousie University
2009 - present	Lecturer/Lab demonstrator, Human Gross Anatomy for **Medical** students, Faculty of Medicine, Dalhousie University
2008 - present	Course Director, Human Gross Anatomy for **Dental Hygiene** students, Faculty of Medicine, Dalhousie University
2004 - present	Lecturer/Lab demonstrator, Human Gross Anatomy for **Dentistry** students, Faculty of Medicine, Dalhousie University
2008	Course Director, Neural Basis of Sensory and Motor function (elective for Kinesiology students); School of Health and Human Performance, Dalhousie University
2007 – 2011	Tutor for Clinical Oriented Problem Solving Courses, first and second year Medical students; Faculty of Medicine, Dalhousie University

2005 – 2008	Teaching Assistant, Human Gross Anatomy, Medical students, Faculty of Medicine, Dalhousie University

RESEARCH EXPERIENCE:

2004 – 2007	**Post-Doctoral Fellow**: *Study of the developmental relationship between neural and skeletal tissues*. Department of Anatomy & Neurobiology, Faculty of Medicine, Dalhousie University. Project Coordinator: Dr. Boris Kablar.
1999 – 2004	**Doctoral research**: *Environment assessment by tadpoles and factors affecting anuran metamorphosis*. Department of Anatomy & Neurobiology, Faculty of Medicine, Dalhousie University; Supervisor: Dr. Richard Wassersug
1995 - 1999	**Research Assistant**, Institute for Biological Research, Department of Evolutionary Biology, Belgrade, Yugoslavia

OTHER ACTIVITIES:

1. Summer Student Prosection Program Coordinator (20 – present)
2. Curriculum development—Anatomy representative for the Metabolism and Homeostasis (Med 1) and Metabolism II (Med 2) Units, School of Medicine, Dalhousie University (2010-present)
3. Member of Combined Student Progress and Promotions Committee, Undergraduate Medical Education, Dalhousie University (2011-2013)
4. Appointments, Tenure and Promotions Committee (2012)
5. Dalhousie Medical School Admissions interviewer (2012-present)
6. Advisory Committee on Anatomy, School of Medicine, Dalhousie University (2012-present)

AWARDS/SCHOLARSHIPS:

2000 - 2002	Natural Sciences and Engineering Research Council (NSERC)
1999 - 2000	Killam Scholarship (Dalhousie University)
1995	Young Researcher Award, Ministry of Science, Republic of Serbia

PUBLICATIONS:

(Note: My last name until 2007 was Rot-Nikcevic)

Rot I. et al (2014). Role of skeletal muscle in mandible development. *Histology and Histopathology* (*in revision*).

Rot I. and Kablar B. (2013) Role of skeletal muscle in palate development. *Histology and Histopathology*, **28**:1-3.

Rot I, Ogah I, Wassersug R. (2012). Language of reproductive cancer treatments and implications for informed decision making by patients, with a particular focus on prostate cancer. *European Journal of Cancer Care*, **21**:766-775.

Rot I, Ogah I, Wassersug R. (2012). Knowledge of reproductive system cancers, their treatments and side effects). *Journal of Cancer Education*, **27**:559-565. doi: 10.1007/s13187-012-0344-1.

Rot I, Kablar B (2010). The influence of acoustic and static stimuli on development of inner ear sensory epithelia. *International Journal of Developmental Neuroscience*, **28**:309-315.

Rot-Nikcevic I, Downing KJ, Hall BK, Kablar B (2007). Development of the mouse mandibles and clavicles in the absence of skeletal myogenesis. *Histology and Histopathology*, **22**:51-60.

Rot-Nikcevic I, Reddy T, Downing KJ, Belliveau AC, Hallgrimsson B, Hall BK, Kablar B. (2006). *Myf5*$^{-/-}$*:MyoD*$^{-/-}$ amyogenic fetuses reveal the importance of early contraction and static loading by striated muscle in mouse skeletogenesis. *Development, Genes and Evolution*, **216**:1-9.

Rot-Nikcevic I, Taylor CN, Wassersug RJ (2006). The role of images of conspecifics as visual cues in the development and behavior of larval anurans. *Behavioral Ecology and Sociobiology*, **60**:19-25.

Rot-Nikcevic I, Denver RJ, Wassersug RJ (2005). The influence of visual and tactile stimulation on growth and metamorphosis in anuran larvae. *Functional Ecology*, **19**: 1008-1016.

Rot-Nikcevic I, Wassersug RJ (2004). Arrested development in *Xenopus laevis* tadpoles: How size constrains metamorphosis. *The Journal of Experimental Biology*, **207:** 2133-2145.

Rot-Nikcevic I, Wassersug RJ (2003). Tissue sensitivity to thyroid hormone in athyroid *Xenopus laevis* larvae. *Development, Growth & Differentiation*, **45**: 321- 325.

Rot-Nikcevic I, Sidorovska V, Dzukic G, Kalezic ML (2001). Sexual size dimorphism and life history traits of two European spadefoot toads (*Pelobates fuscus* and. *P. syriacus*) in allopatry and sympatry. *Annales, Annals for Istrian and Mediterranean Studies,* **23**:107-120.

Rot-Nikcevic I, Kalezic ML, Dzukic G (1998). Paedogenesis, life history traits and sexual dimorphism: A study case of the smooth newt, *Triturus vulgaris*, from Pannonia. *Folia Zoologica*, **49**: 41-52.

Rot I (1996). An unexpected finding of paedomorphic individuals in the smooth newt (*Triturus vulgaris*) population from Dobanovci (Srem). *Archives of Biological Sciences,* **48**: 29-30.

PAPERS PRESENTED AT SCIENTIFIC MEETINGS:

Kablar B, Rot I (2013) Role of skeletal muscle in mandible development. International Society of Developmental Biologists, 17th International Congress of Developmental Biology, Cancun, Mexico, June 16-20, 2013. (Abstract #381)

Rot I, Wassersug RJ (2011) Public knowledge of reproductive system cancers, their treatments and side effects. Canadian Association of Psychosocial Oncology (CAPO) Annual Conference, Toronto, Ontario, May 4 - 6, 2011.

Rot I, Wassersug RJ (2007) Behavioural and developmental response of tadpoles to mirror images. 2007 International Ethological Conference, Halifax, Nova Scotia, August 15-23, 2007.

Rot-Nikcevic I, Kablar B (2006) Development of mandibular and clavicular secondary cartilage is strongly influenced by mechanical cues from skeletal musculature. Society for Developmental Biology, 65th Annual Meeting, Ann Arbor, USA, June 17-21, 2006.

Rot-Nikcevic I, Reddy T, Downing KJ, Kablar B (2005) The analysis of *Myf5*$^{-/-}$*:MyoD*$^{-/-}$amyogenic embryos reveals importance of early muscle contractions in mouse skeletogenesis. Society for Developmental Biology, 64th Annual Meeting, San Francisco, USA, July 27-Aug 1, 2005.

Rot-Nikcevic I, Wassersug RJ (2005) Pretty in profile: tadpole responses to mirrors. 5th World Congress of Herpetology, Stellenbosch, South Africa, 19-24 June, 2005.

Rot-Nikcevic I, Wassersug RJ (2004) Consequences of giantism in *Xenopus laevis* tadpoles. 7th International Congress of Vertebrate Morphology, Boca Raton, Florida, July 27-August 1, 2004.

Rot-Nikcevic I, Wassersug RJ (2004) Arrested development in *Xenopus laevis* tadpoles: How size constrains metamorphosis. Meeting of the Canadian Society of Zoologists, Wolfville, Nova Scotia, May 11-15, 2004.

Rot-Nikcevic I, Cvetkovic D, Kalezic ML (1997). Paedomorphosis and life-history variation in *Triturus vulgaris*. Third World Congress of Herpetology, Prague.

Dzukic G, Krizmanic I, Labus N, Rot I (1997). Distribution of *Salamandra atra* (Laurenti, 1768) in the Republic of Serbia, Yugoslavia. Third World Congress of Herpetology, Prague.

Rot I, Cvetkovic D, Kalezic ML (1996). Alternative life-history pathways in *Triturus vulgaris*: paedomorphosis vs. metamorphosis. Fifth International Congress of Systematic and Evolutionary Biology, Budapest.

Kalezic ML, Cvetkovic D, Djorovic A, Rot I, Dzukic G (1995). Fecundity, body size and age in paedomorphic and metamorphic alpine newts (*Triturus vulgaris*). 7th European Ecological Congress, Budapest.