

PERSONAL INFORMATION

Igor Bondarenko



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Sex Male | Date of birth 12/05/1959 | Nationality Russian

PREFERRED JOB

Nutritional, Clinical, and Basic Biochemistry. Natural Medicine

WORK EXPERIENCE

May 11–Present

Professor, Diagnostic Research Laboratory

North West Russian Research Centre for Hygiene and Public Health
Vtoraya Sovetskaya St. 4, 191036 St. Petersburg (Russia)

Co-ordinating research on the development and quality assessment of laboratory diagnostic assays.
Consultant in Nutritional Biochemistry to *Pathway To Health* outpatient health centre, St. Petersburg

Business or sector Research in Clinical and Nutritional Biochemistry

Aug 09–Apr 11

Senior Lecturer and Deputy Director of Research

Oceania University of Medicine
National Health Complex, Apia (Samoa)

Teaching Basic, Nutritional and Clinical Biochemistry to undergraduate and postgraduate students.
Co-ordinating research projects in the aforementioned areas

Business or sector Teaching and Medical Research

Nov 04–Aug 09

Consultant, Nutritional/Clinical Biochemistry

Chydenius Clinic
Yrjonkatu 21 C, 00100 Helsinki (Finland)

Development of individual nutritional supplementation protocols for patients

Business or sector Private Clinical Practice

Mar 00–Oct 04

Research Officer

North West Russian Research Centre for Hygiene and Public Health
Vtoraya Sovetskaya St. 4, 191036 St. Petersburg (Russia)

Quality assessment and validation of novel blood clinical laboratory assays

Business or sector Biomedical Research

Jan 98–Feb 00

Research Officer, Department of Biology and Biochemistry

University of Bath
Claverton Rd., BA2 7AY Bath (United Kingdom)

Developing and quality assessment of novel serum diagnostic immunoassays

Business or sector Biomedical Research

Dec 94–Jan 98

Reader, Department of Biochemistry

St. Petersburg Therapeutic Institute
Mira St. 12, 197101 St. Petersburg (Russia)

Teaching Basic Biochemistry and Introduction to Clinical Laboratory Diagnosis to undergraduate students

Business or sector Academic - Biomedical Education

Aug 88–Jun 94

Reader, Department of Clinical Biochemistry and Laboratory Diagnosis

Military Medical Academy
Lebedeva St. 6, 194175 St. Petersburg (Russia)

Teaching Basic Biochemistry to undergraduate students and Clinical Chemistry - to medical doctors

Business or sector Academic - Biomedical Education

EDUCATION AND TRAINING

03–04

Diploma

Diploma

Association for Systematic Kinesiology
Applied Kinesiology

98–12

Postgraduate Specialist

International seminars for professionals (over 420 hours)

International College of Applied Kinesiology
Functional/Nutritional Biochemistry

97–97

Postgraduate Specialist

Postgraduate Certification Course

State Medical University
Clinical Laboratory Diagnosis

93–93

Postgraduate specialist

Postgraduate education

Military Medical Academy
Clinical Laboratory Immunodiagnosis

85–88

PhD degree

Doctorate

Military Medical Academy
Biochemistry

76–82

Medical Doctor

Graduate

Military Medical Academy
Clinical and Preventive Medicine

PERSONAL SKILLS

Other language(s)

UNDERSTANDING	SPEAKING	WRITING

	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Able to work as a team member and independently. Experienced in adapting to multi-cultural environment, both in research and clinical settings.

Organisational / managerial skills Successful in co-ordinating research projects at national and international (EU, Asia, South Pacific) level.

Job-related skills In addition to face-to-face teaching undergraduate and postgraduate medical students, - using Elluminate software platform for teaching online Nutritional/Basic/Clinical Biochemistry and Gastroenterology.

Computer skills Good command in MS Office, database managing tools, and statistical software ("MedCalc"). Basic knowledge of graphic design applications.

ADDITIONAL INFORMATION

Essentials of expertise:

1. Readership:

- 1.1. Twelve years of teaching basic Biochemistry and Nutritional/Clinical Biochemistry to undergraduates and postgraduates at Military Medical Academy, St. Petersburg Therapeutic Institute, and Oceania University of Medicine, as well as of developing curricula for those subjects.
- 1.2. Five years of teaching Gastroenterology at the Oceania University of Medicine online.
- 1.3. Six years of teaching Nutritional Biochemistry through permanent professional education for medical specialists (neurology, internal diseases, osteopathy, applied kinesiology) in the UK, Russia, the Ukraine, Turkey, Azerbaijan.

2. Research: study of pro-oxidant and anti-oxidant enzymes of the liver and blood in viral and toxic hepatitis. Research in enzyme histochemistry and cytospectrophotometry of the liver, as well as haematological cytochemistry in acute clinical and experimental hepatitis. Development of pilot serological tests for the detection of hepatitis C virus antibodies. In the context of the EU-supported joint research project, - development of enzyme immunoassays for the determination of serum xanthine oxidoreductase, its antibodies and xanthine oxidoreductase-containing circulating immune complexes as sensitive serological markers for the liver damage. Fellowship at Parasitological Institute of the Slovak Academy of Sciences (2008): study of pathobiochemistry of experimental nematode and cestode infections. Over 60 research publications.

3. Clinical work and related teaching: In addition to basic clinical practice, - over fourteen years of diagnosing and treating patients with integrative non-invasive methodologies of natural medicine that combines functional biochemistry, nutritional biochemistry, acupuncture, botanical therapy, applied kinesiology. Organising seminars for practitioners in Functional Biochemistry and Infectious Diseases in the UK, Russia, the Ukraine, Turkey, Azerbaijan, Uzbekistan. Development of individual nutritional supplementation protocols for patients in the Nordic countries, UK, France, Belgium, Switzerland, Germany, Spain.

4. Diagnostic laboratory work and quality control/assessment: Four years of managing immunodiagnostic assays in clinical hospital laboratories in Russia. Assessment of diagnostic reliability of enzyme immunoassays for the markers of human immunodeficiency virus and hepatitis B and C viruses. Performance studies of the enzyme immunoassays for the markers of hepatitis B and C viruses. Standardisation of haematological cytochemistry methods. Introducing advanced external quality assessment schemes to clinical laboratories in the North West Russia and Uzbekistan.

5. Co-ordination of multi-centre research:

5.1. Assistant Coordinator of a multi-centre trial of dried blood spot technique in laboratory diagnosis of HIV infection in 50 military hospitals in Russia, 1991-1992;

5.2. Coordinator of regional (30 laboratories in North West Region of Russia) external quality assurance schemes in laboratory diagnosis of viral hepatitis B and C, 1995-1997;

5.3. Regional Coordinator of the European joint research project workshops ("Measuring the usefulness of the EU international database and technology assessment in the eastern language groups, diseases and technologies") arranged by University of Galway, Ireland (Tashkent, 1997; St. Petersburg, 1997);

5.4. Scientific Coordinator of a European Commission-supported international joint research project ("Improving diagnosis and prognosis in viral hepatitis B and C based on novel serum assays", 1998-2001);

5.5. Team Leader of a European Commission-supported joint research project ("Determination of the quality of ground and surface waters suitable for drinking water production in Khorezm Region, Republic of Uzbekistan", 2002-2004) involving University of Helsinki (Finland) and National Institute for Occupational Medicine (Oslo, Norway).

6. Memberships and professional duties:

6.1. Member of the Board of Directors, Council for Nutritional and Environmental Medicine (Norway)

6.2. Member, European Committee for Quality Assessment in Laboratory Medicine;

6.3. Member, European Federation of Parasitologists;

6.4. Co-Editor, External Quality Assessment News (a peer-reviewed journal, IFCC)

6.5. Editorial Board member, Alternative Medicine Reviews (a peer-reviewed journal, Idaho, USA);

6.6. Editorial Board Member, Complementary Therapies in Medicine (a peer-reviewed journal, Elsevier)

7. Invited lectures (international):

7.1. Serum xanthine oxidoreductase in acute viral hepatitis. University of Helsinki, Helsinki, Finland, 1998

7.2. Serum xanthine oxidoreductase as a novel laboratory marker for the liver injury. National Institute of Public Health, Helsinki, Finland, 1999

7.3. Quality systems in laboratory testing of drinking water. Internationaler Hilfsfonds Liaison Office, Brussels, Belgium, 2000

7.4. Review course in Nutritional and Clinical Biochemistry. State Medical University, Tashkent, Uzbekistan, 2001

7.5. Quality systems in the clinical immunodiagnostic laboratory assays. National Reference Virological Laboratory, Tashkent, Uzbekistan, 2002

7.6. Introduction to Biochemistry of central nervous system. Postgraduate Seminars for Health Practitioners, Bath, United Kingdom, 2003

7.7. Clinical Chemistry and Applied Kinesiology: From constructing novel diagnostic tests to developing novel nutritional supplements. Association of Systematic Kinesiology, London, United Kingdom, 2004

7.8. Targeted metabolic stimulation of the host resistance in mebendazole-tolerant nematodes. EU Research Symposium, Athens, Greece, 2006

- 7.9. Donors of nitric oxide and inhibition of the development of nematodes. Parasitological Institute of the Slovak Academy of Sciences, Kosice, Slovak Republic, 2008
- 7.10. Novel molecular markers of cardiovascular damage: role in the prevention and nutritional therapy. Oceania University of Medicine, Samoa, 2010.
- 7.11. How to read clinical research articles. South Pacific College of Natural Therapies, Auckland, New Zealand, 2011
- 7.12. Effects of colloidal/ionic silver on antimicrobial proteins of human neutrophils in vivo. South Pacific College of Natural Therapies, Auckland, New Zealand, 2011
- 7.13. Detoxification properties of pectins from *Zostera marina*: experimental and clinical findings. University of Rijeka, Croatia, 2011
- 7.14. Supplementation with cyanocobalamin in stable angina: A novel pathway for asymmetrical dimethylarginine breakdown? University of Leipzig, Germany, 2012
- 7.15. Biochemistry of environmental endocrine toxicity. Integrative Medicine Clinic, Istanbul, Turkey, 2013
- 7.16. Functional and Nutritional Biochemistry (a series of lectures). Pomeranian University of Medicine, Szczecin, Poland, 2014