

Alexander O. Shpakov

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Contributor: Alexander Shpakov

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Basic Information

 Alexander O. Shpakov

Name: Alexander O. Shpakov
(Dec 1963–)

Birth Unknown

Location:

Title: Unknown

Affiliation: Unknown

Honor: Unknown

1. Introduction

Alexander O. Shpakov is a Professor of Biochemistry at the I.M. Sechenov Institute of Evolutionary Physiology and Biochemistry (IEPB), Russian Academy of Sciences, in Saint-Petersburg, Russia. He was born in 1963 at Leningrad in Russia. He received his Master of Science degree in Bioorganic Chemistry in 1987 from the Leningrad State University, Russia, and his PhD degree in Biochemistry in 1996 from the I.M. Sechenov IEPB. Currently he heads the Laboratory of Molecular Endocrinology and Neurochemistry at the I.M. Sechenov IEPB. He is an author of more than 430 research papers and reviews in reputed international and Russian journals and has published 10 monographs and 19 book chapters. His current research interests include: (i) the study of functional state of hormonal signaling systems in the endocrine and metabolic diseases, (ii) the biochemistry and physiology of reproductive system and hypothalamo-pituitary-thyroid axis in norm and in the endocrine and metabolic diseases, (iii) the development of the peptide strategy based on GPCR-peptides and their lipophilic derivatives, (iv) the development of low-molecular weight regulators of the receptors of pituitary glycoprotein hormones; (v) the structural-functional organization and evolution of the signaling systems of lower eukaryotes and bacteria, and others.

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Scopus AuthorID: <https://www.scopus.com/authid/detail.uri?authorId=35231150500>

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2. Education

1981-1987 - Leningrad (St. Petersburg) State University, Faculty of Chemistry, Department of Bioorganic Chemistry (Chemistry of Natural Compounds)

Master of Science degree in Bioorganic Chemistry, 1987

“Synthesis of the fragments of calcitonin and calcitonin gene related peptide and the study of their biological activity”

Degrees

PhD degree in Biochemistry, Institute of Evolutionary Physiology and Biochemistry, Russ. Acad. Sci., St. Petersburg, 1996

“Theoretical and Experimental Study of the Participation of the Adenylyl Cyclase Signaling System in the Mechanisms of Insulin Family Peptides Action”

Doctor of Biological Sciences (Professor of Biochemistry), Institute of Evolutionary Physiology and Biochemistry, Russ. Acad. Sci., St. Petersburg, 2007

«Molecular Mechanisms of Functional Coupling between Hormonal Receptors and Heterotrimeric G proteins in the Adenylyl Cyclase Signaling Systems of Vertebrates and Invertebrates»

3. Working Experience

1987-1989 – Institute of Macromolecular Compounds, Russ. Acad. Sci., Leningrad (St. Petersburg), Department of Peptide Synthesis, Junior Researcher Associate

1989-1993 – Institute of Evolutionary Physiology and Biochemistry, Russ. Acad. Sci., St. Petersburg (Leningrad), Department of Biochemistry, Laboratory of Molecular Endocrinology, Junior Researcher Associate

1994-1995 – Maryland University, Washington, USA, Department of Agricultural Sciences, Research Associate

1996-present – Institute of Evolutionary Physiology and Biochemistry, Russ. Acad. Sci., St. Petersburg, Department of Biochemistry,

Laboratory of Molecular Endocrinology, Researcher Associate (1996-2001)

Senior Researcher Associate (2001-2007)

Leading Researcher Associate (2007-2009)

Head of Laboratory of Molecular Endocrinology and Neurochemistry (2009-present)

Deputy Director of the Institute of Evolutionary Physiology and Biochemistry, Russ. Acad. Sci., St. Petersburg (2015-present)

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