

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Tzipora C. Falik-Zaccai		POSITION TITLE Associate Professor, Medical Genetics & Pediatrics Founder and Head, Institute of Human Genetics, Western Galilee Medical Center Nahariya, Israel.	
eRA COMMONS USER NAME (credential, e.g., agency login) Falik-Zaccai			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
B. and R. Rappaport Faculty of Medicine, Technion, Institute of Technology, Israel	MD cum laude	1982	Medicine
Carmel Medical Center, B. and R. Rappaport Faculty of Medicine, Technion, Institute of Technology, Haifa Israel.	Board certified in Pediatrics Israel	1987	Residency in Pediatrics
Medical Genetics fellowship- Cedar Sinai Medical Center, Los Angeles, School of Medicine (UCLA), CA, USA.	Board Certified in Medical Genetics USA and Israel	1991	Medical Genetics fellowship- Cedar Sinai Medical Center, Los Angeles, School of Medicine (UCLA), CA, USA.

A. Personal Statement

I am Associate professor at the Faculty of Medicine, Bar Ilan University, Tzfat and the founder and Director of the Institute of Human Genetics, Western Galilee Medical Center-Nahariya.

I obtained my MD cum laude in 1982 and board certified in Pediatrics (Israel) and Medical Genetics (Israel and the USA). Throughout my academic career my research focus is for the identification of the causative genes of rare genetic diseases. Of particular interest are Hereditary Spastic Paraparesis (HSP), Gray platelet syndrome (GPS), DNA repair defect syndromes and other neurogenetic disorders. In 2009 I was honored with the prestigious Visiting Professorship Award from the Feldman Family Foundation and visited the Department of Biology at Stanford University, where I and my colleagues were studying an array of research topics such as DNA repair mechanisms related to cancer and aging, and their related advanced technologies. I have been elected as the outstanding physician for the year 2009 at the Western Galilee Medical Center-Nahariya. I have published many scientific papers and reviews in various professional international Journals including in the field of cerebrotendinous xanthomatosis (CTX).

The genetic disorders we are testing for in the Institute of Human Genetics, though rare worldwide, are relatively frequent in the surrounding communities in Northern Israel, apparently due to founder novel mutations, and a high rate of consanguinity. This important project benefit has lead to the development of methods of genetic counseling tailored to Arab extended families (chamulas) at high risk for genetic disorders and congenital birth defects, among them CTX. This service I am directing is aimed at

educating, preventing and minimizing the personal burden of birth defects and in several cases enabling treatment, which will prevent disease symptoms.

B. Positions and Honors:

Positions and Employment

- 1989-1991 Clinical Instructor, University of California, Los Angeles School of Medicine, CA, USA.
- 1992-2000 Founder and Director of molecular genetics laboratory, Simon Winter Institute of Human Genetics and Department of Pediatrics, Bnei Zion Medical Center, Haifa, Israel.
- 1992-2002 Consultant, Sherutei Briut Clalit, Haifa and Western Galilee region, Israel.
- 1992-2005 Consultant Department of Pediatrics and Neonatal Intensive Care Unit, Carmel Medical Center, Haifa, Israel.
- 1995-2001 Clinical Instructor, B. and R. Rappaport Faculty of Medicine, Technion, Israel Institute of Technology, Haifa, Israel.
- 2000- present Founder and Head, Institute of Human Genetics, Western Galilee Medical Center- Nahariya, Israel.
- 2003- 2011 Senior lecturer, B. and R. Rappaport Faculty of Medicine, Technion, Israel Institute of Technology, Haifa, Israel.
- 2011- 2012 Senior lecturer, The Galilee Faculty of Medicine, Bar Ilan University, Safed, Israel
- 2012-present Associate Professor, Medical Genetics & Pediatrics, The Galilee Faculty of Medicine, Bar Ilan University, Israel

Other Experience and Professional Memberships

- 1993- to date Israel Society of Medical Genetics
- 1992- to date Israel Society of Human Genetics
- 1992- to date Israel Society of Clinical Pediatrics
- 1992- to date Israel Society of Medicine and Law
- 2000- to date Israel Society of Metabolic Diseases
- 1989- to date American Society of Human Genetics
- 1991- to date American Society of Medical Genetics
- 1992- to date European Society of Human Genetics
- 1992- to date American college of Medical Genetics
- 2009- to date The "national expert center for diagnosis and treatment of patients with DNA repair related disorders". Appointed by the Israeli Ministry of Health.

- 2009-to date The "national expert center for diagnosis and treatment of patients with Cerebro- tendinous Xanthomatosis". Appointed by the Israeli Ministry of Health.
- 2009- 2011 Co Founder and Co- Director: Master of Science program- Genetic Counseling, R. and B. Rappaport Faculty of Medicine, Technion, Israel Institute of Technology, Haifa, Israel. .
- 2012-present Head, MD PhD program The Galilee Faculty of medicine, Bar Ilan University, Safed, Israel
- 2013 Member, Board of Directors, The Genetic Society of Israel

Honors

- 1982 Roue Academic Award- Infectious Diseases. B. and R. Rappaport Faculty of Medicine, Technion, Israel Institute of Technology, Haifa, Israel.
- 1989 Presentation of original data at international conference award. March of Dimes, Harvard School of Medicine, Boston, MA. USA.
- 1997 Hochfeld Award for excellence in medical research, Bnei Zion Medical Center, Haifa, Israel.
- 1998 Outstanding Teacher Award. B. and R. Rappaport Faculty of Medicine, Technion, Israel Institute of Technology, Haifa, Israel.
- 2000 Significant achievements in the field of Medical Genetics and contribution to public health and education award. Haifa, Municipality, Israel.
- 2009 Outstanding Achievement Award: Annual honor for excellence, Western Galilee Hospital- Nahariya, Israel.
- 2009 Visiting Professorship Award; the Feldman Family Foundation. Visiting Professors Program, Department of Biology Stanford University, CA, U.S.A.