

Professor Marcelle Machluf, Ph.D

Date and place of birth: May 24 1963, Morocco

Marital status: Married plus three children

Official website: <http://drugcelltherapy.net.technion.ac.il/>

ACADEMIC DEGREES

- 1991-1997 Ph.D. Dept. of Biotechnology Engineering, Ben-Gurion University, Beer Sheva, Israel.
- 1987-1990 M.Sc. Dept. of Biomedical Engineering, Ben-Gurion University, Beer-Sheva, Israel.
- 1984-1987 B.Sc. Dept. of Life Sciences, The Hebrew University, Jerusalem, Israel.

POSTDOCTORAL RESEARCH

- 1997-2001 Laboratory of Prof. Anthony Atala, Harvard Medical School, Boston, MA

ACADEMIC APPOINTMENTS

- 2015-present Deputy Executive Vice President for Research for the Pre-Clinical Research Authority of the Technion
- 2014-present Full Professor, Faculty of Biotechnology and Food Engineering, Technion-Israel Institute of Technology, Haifa, Israel.
- 2011–present Deputy Dean of the Faculty of Biotechnology and Food Engineering
- 2009–present Head of the Interdepartmental Program in Biotechnology.
- 2007–2014 Associate Professor, Faculty of Biotechnology and Food Engineering, Technion-Israel Institute of Technology, Haifa, Israel.
- 2001–2007 Senior Lecturer, Faculty of Biotechnology and Food Engineering, Technion-Israel Institute of Technology, Haifa, Israel.

RESEARCH INTERESTS

- I. Tissue engineering and cell based delivery
Developing platforms for cell based delivery and tumor therapy.
Developing scaffolds for tissue engineering of the pancreas, heart, and blood vessels.
- II. Drug delivery:
Development of micro and nano drug delivery systems for cancer therapy.
- III. Gene therapy
Delivery of cDNA, siRNA and miRNA to cells and tissues using ultrasound energy and synthetic and natural nanoparticles.

TEACHING EXPERIENCE

- 2009–present Micro and Nano-encapsulation in Food and Biotechnology

2006–present	Tissue Engineering (Undergraduate and Graduate course)
2002–present	Mammalian Cell Biotechnology (Undergraduate and graduate course)
2001–present	Bio-Separations in Biotechnology (Undergraduate course)

TECHNION ACTIVITIES

2004-2015	ATS Fund Raising
2009-2010	Technion Bio-Nano Committee
2009-2010	Technion Undergraduate and Graduate Courses Committee
2002-2008	Technion Animal Ethical Committee

DEPARTMENTAL ACTIVITIES

2011-2014	Faculty first year adviser of undergraduate students
2011-2015	Coordinator of foreign exchange students
2001-2009	Faculty safety officer

PUBLIC PROFESSIONAL ACTIVITIES

2015-present	Minerva Center Committee Member, Max-Planck Institute, Munich, Germany
2013-present	Editorial board member, Journal of Tissue Engineering
2013-present	Educational board member of Shaanan College, Haifa Israel
2010–present	External director of InsuLine Medical Ltd. Israel
2008–2009	External advisory board member of GluSense Ltd. Israel
2007–2008	External advisory board member of Beta-O2 Technologies Ltd. Israel

MEMBERSHIP IN PROFESSIONAL SOCIETIES

2001-present	The International Cancer Research Association
2001-present	The International Control Delivery Society
2003-2006	The International Biomaterial Society
2003-2006	The European and Israeli Association of Gene Therapy
2006-present	The American Association of Gene Therapy

HONORS (Selected)

2014	Recipient of the Juludan Research Prize For outstanding innovative research
2010	Recipient of the Hershel Rich Technion Innovation Award.
2006	Recipient of the Gutwirth Award for achievements in the gene therapy field.
2001-2004	Recipient of the Alon Award for excellence in science.
2001-2003	Cathedra of WD Irving & Adele Rosenberg career development chair.
1997	Bourses Chateaubriand Award for postdoctoral fellows.