

MICHAL SHARON

CURRICULUM VITAE

June 2020

A. PERSONAL DETAILS

Date of Birth: March 25th 1972

Country of Birth: Israel

Citizenship: Israeli, German

Marital Status: Married, +3 (Ori 1998, Naama 2001, Ronni 2007)

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B. EDUCATION

2003-2006 Post-doctoral research under Prof. Carol V. Robinson, Department of Chemistry, University of Cambridge, Cambridge, UK.

Field of study: Mass spectrometry of large non-covalent complexes.

1996-2003 M.Sc./Ph.D. combined program (direct PhD) under Prof. Jacob Anglister, Department of Structural Biology, Weizmann Institute of Science, Rehovot, Israel.

Field of study: Three-dimensional structure determination of protein complexes using multidimensional NMR

1993-1996 B.Sc. Chemistry, The Hebrew University, Jerusalem, Israel, *Cum laude*.

C. EMPLOYMENT

2015-present Associate Professor, Department of Biomolecular Sciences, Weizmann Institute of Science, Rehovot, Israel.

2007-2015 Senior Scientist (equivalent to Assistant Professor), Department of Biological Chemistry, Weizmann Institute of Science, Rehovot, Israel.

2006-2007 Royal Society Research Fellow, Department of Chemistry, University of Cambridge, Cambridge, UK.

D. ACADEMIC ADMINISTRATION

2020 WIS Representative, Steering Committee of Israeli Universities for COVID-19 Policy

2020 Members of the COVID-19 Mass Spectrometry Coalition

2020 Head of Committee, Journal of Mass Spectrometry Award

2019-present Elected to the National Forum of Promoting Women Scientists

2019 Member of Review Committee, Israel Science Foundation (ISF)

2019 Member of the Committee, Young Weizmann Scholars Program for the Arab Sector

2018 Member of Judgment Committee, Falling Walls Conference

2017-2020 Vice President of ILANIT, federation of 32 Israeli Societies of Experimental Biology

2017-2020 Head of Division of Research Services, Weizmann Institute

2017 Member of the Committee, Appointment of Senior Scientists, Life Sciences Faculties

2016-2017 Board Member, Schwartz/Reisman Science Education Center, Rishon LeZion

2016-present	Head of the Proteomics Unit Advisory Committee, Israel National Center for Personalized Medicine (INCPM)
2016-present	Member of the Davidson Institute Steering Committee, Northern Israel Educational Activities
2015-present	Education Officer, International Mass Spectrometry Foundation (IMSF)
2014-2018	Management Board, COST (European Cooperation in Science and Technology)-Action BM1403 "Native Mass Spectrometry and Related Methods for Structural Biology"
2014-2018	Vice-President, Israeli Biochemistry Society
2013-2016	President, Israeli Mass Spectrometry Society
2013-2017	Board Member, Hemda Center for Science Education, Rehovot
2013-2014	Member, Katzir Travel Fellowship Committee
2013-2014	Board Member, Israeli Biochemistry Society
2013-2016	Member, Proteomics Unit Advisory Committee, Israel National Center for Personalized Medicine (INCPM)
2013	Organizer, Biological Chemistry Departmental Retreat
2012-2013	Vice-President, Israeli Mass Spectrometry Society
2011-2013	Organizer, Biological Chemistry Departmental Seminars
2011-2012	Senior Scientists Representative, Scientific Council of the Weizmann Institute
2009	Member, Steering Committee on the Involvement in Instruct: EU Hub for Structural Biology
2009	Member, Kadima Mada - Weizmann Institute Excellence Award Committee

E. OTHER APPOINTMENTS

TEACHING ACTIVITIES

2020	Structural Mass Spectrometry Workshop, Bordeaux, France
2020	Quantitative Proteomics: Strategies and Tools to Probe Biology, Heidelberg, Germany
2019	International Mass Spectrometry School, Barcelona, Spain
2019	Advancing Mass Spectrometry Workshop, Amherst, USA
2019	ASMS Tutorial Lecture on "Native Mass Spectrometry", Atlanta, USA
2019	Native MS Guided Structural Biology Workshop, MA, USA
2017	Lecturer and Organizer, International Structural Mass Spectrometry Workshop, Rehovot, Israel
2016	Lecturer, Practical Course on "Top Down and Structural Mass Spectrometry", Lisbon, Portugal
2015	Lecturer, 9th European Summer School of "Advanced Proteomics", Brixen, Italy
2014-present	Lecturer, Course on "Chromatography and Mass Spectrometry for Analysis of Biomolecules", Feinberg Graduate School, Weizmann Institute of Science (taught together with other teachers)
2013	7 th European Summer School of "Advanced Proteomics", Brixen, Italy
2012	Graduate School Spring Meeting, Martin-Luther-Universität Halle-Wittenberg, Germany
2011	EMBO Practical Course on "Protein-Protein and Protein-Nucleic Acid Cross-Linking and Mass Spectrometry", Göttingen, Germany
2011	Lecturer, Course on "Biochemistry of Enzymes and Proteins", The Hebrew University of Jerusalem (taught together with other teachers)
2010	Lecturer and Coordinator Course on "Advanced Protein Science", Feinberg Graduate School, Weizmann Institute of Science (alongside Profs. Dan Tawfik and Gideon Schreiber)
2009, 2010	Lecturer, Course on "Theoretical Basis of Common Lab Techniques Course", Weizmann Institute of Science (taught together with other teachers)

EDUCATIONAL OUTREACH ACTIVITIES

- 2017-present Initiator and organizer of the “[Private Investigator](#)” column in YNET (Israeli news website)
- 2016 EuroScience Open Forum, “Mass Spectrometry for the Masses”, Manchester, UK
- 2015-present Initiator and Lecturer of a Workshop Focusing on “[Combining Motherhood and a Scientific Career](#)”, Weizmann Institute, (alongside Profs. Nirit Dudovich and Maya Schuldiner)
- 2014 Lecturing for PhD Students on “How to Write a Good CV”
- 2009 Lecturing at the Taasiya Avirit Evening Program Organized by the Davidson Institute for Science Education, Rehovot, Israel
- 2009 Giving the “Amos de-Shalit Lecture”, Weizmann, Institute, Rehovot, Israel
- 2009 Lecturing at ‘The Raya Cowan International Summer School’ program of the Feinberg Graduate School
- 2008, 2009 Lecturing at various evening programs organized by the Davidson Institute for Science Education, Rehovot, Israel
- 2008, 2009 Lecturing at the “Amos de-Shalit Ulpana” for both Chemistry and Biology, Weizmann, Institute, Rehovot, Israel

F. INTERNATIONAL RECOGNITION

PRIZES AND AWARDS

- 2019 Elected to the “Leading in Academia” program for outstanding scientists
- 2018 Mass Spectrometry in the Life Sciences Award, European Mass Spectrometry Conference
- 2017 Elected to the Young Israeli National Academy of Science
- 2014 ERC Starting Grant from the EU (LS1)
- 2009 ERC Starting Grant from the EU (PE4)
- 2008 Research Career Development award, ICRF
- 2007 Elected as Life Member Clare Hall College, University of Cambridge, UK
- 2006 Dorothy Hodgkin Royal Society fellowship
- 2006 Research fellow at Clare Hall College, University of Cambridge, UK
- 2004 Wingate Scholarship
- 2004 EMBO Postdoctoral Fellowship
- 2004 Israel Chemical Society Prize for Excellence in PhD Studies
- 2003 Bikura Post-Doctoral Fellowship Founded by the Israeli Academy of Science and Humanities.
- 2001 Salim and Rachel’s Fund of Excellence Education
- 1996 *Magna cum laude* in Chemistry, the Hebrew University, Jerusalem
- 1995 Dean Prize, the Hebrew University, Jerusalem
- 1995 Elving Prize for High Achievements in Analytical Chemistry, the Hebrew University, Jerusalem

INTERNATIONAL ORGANIZING COMMITTEES

- 2021 Initiator and Organizer, 1st Meeting on 20S Proteasome Degradation, Rehovot, Israel
- 2020 Session Organizer, 9th ILANIT Meeting, Eilat, Israel
- 2018 Initiator and Organizer, Proteasome Hub: Fine-Tuning of Proteolytic Machines, Munich, Germany
- 2017 Initiator and Organizer, International Structural Mass Spectrometry Workshop, Rehovot, Israel
- 2017 Organizer, FEBS Meeting, Jerusalem, Israel

- 2017 Session Organizer, 8th ILANIT meeting, Eilat, Israel
- 2017 Organizer, 29th Meeting of the Israel Society for Mass Spectrometry Joint with the American Mass Spectrometry Society, Rehovot, Israel
- 2017 Co-Initiator and Organizer, Ubiquitin-Proteasome System Israeli Club
- 2016 Organizer, 10th Parnas Conference, Wroclaw, Poland
- 2016 Organizer, 28th Meeting of the Israel Society for Mass Spectrometry Joint with the British Mass Spectrometry Society, Rehovot, Israel
- 2015 Session Organizer, 63rd ASMS Conference on Mass Spectrometry & Allied Topics, St. Louis, USA
- 2014 Chair of the Organizing Committee, Israel Biochemistry Society Annual Meeting, Rehovot, Israel
- 2014 Organizer, 27th Meeting of the Israel Society for Mass Spectrometry Joint with the Swiss Mass Spectrometry Society, Rehovot, Israel
- 2014 Session Organizer, 20th International Mass Spectrometry Society Conference, Geneva, Switzerland
- 2014 Session Organizer, 7th ILANIT meeting, Eilat, Israel
- 2013 Organizer, 26th Meeting of the Israel Society for Mass Spectrometry Joint with the German Mass Spectrometry Society, Israel
- 2010 Organizer, 1st Middle Eastern and Mediterranean Sea Region Countries Mass Spectrometry, Rehovot, Israel
- 2010 Organizer, Zomes 6, Expanding the PCI Family Beyond Proteasome, CSN and eIF3, Safed, Israel
- 2008 Organizer, 7th Congress of the Israel Association for Medicinal Chemistry, Rehovot, Israel

REVIEW AND EDITORIAL APPOINTMENTS

- 2019-2021 Features Panel Advisory Board, *Journal of Analytical Chemistry*
- 2012-2016 Member of the Editorial Board of *Current Opinion in Structural Biology*
- 2011 Editor, alongside Prof. Carol V. Robinson, "Biophysical Methods" Issue of *Current Opinion in Structural Biology*

TALKS AT INTERNATIONAL MEETINGS

- 2021 EMBO Workshop on Protein Quality Control, Dubrovnik, Croatia
- 2021 GRC on Intrinsically Disordered Proteins, Les Diablerets, Switzerland (postponed)
- 2021 2nd Fusion Conference on Ubiquitin Function in Health and Disease, Lisbon, Portugal
- 2021 Biocenter PhD Symposium - 20/20 The Vision is Clear, Vienna, Austria
- 2021 Quantitative Proteomics: Strategies and Tools to Probe Biology, Heidelberg, Germany
- 2020 Ultrahigh Molecular Weight Mass Spectrometry Workshop, Lake Louise, Canada
- 2020 Ubiquitin and Friends Symposium, Vienna BioCenter Webinar
- 2020 MOMbrane Workshop – Weizmann-Tübingen, Tübingen, Germany (postponed)
- 2020 The Molecular Fabric of Life, Jerusalem, Israel
- 2020 Production and Function of EVs in Infectious Disease, Rehovot, Israel
- 2020 The 4th Zavalkoff Symposium, Rehovot, Israel
- 2020 Protein Degradation Congress, San Diego, USA
- 2019 EMBO Workshop on the Ubiquitin System, Cavtat, Croatia
- 2019 EMBL Conference Proteomics in Cell Biology and Disease Mechanisms, Heidelberg, Germany

2019 Advancing Mass Spectrometry for Biophysics and Structural Biology, Amherst, USA
 2019 Celebration of Native Mass Spectrometry, Oxford, UK
 2019 X-ZOMES on the Broader Cellular Impact of PCI Complexes, Akko, Israel
 2019 European Top-Down Proteomics Workshop, Paris, France
 2018 8th Symposium on Structural Proteomics, Berlin, Germany
 2018 Opening Symposium Charles Tanford Protein Center, Halle, Germany
 2018 22nd International Mass Spectrometry Society Conference, Florence, Italy
 2018 GRC on Intrinsically Disordered Proteins, Les Diablerets, Switzerland
 2018 EMBO Workshop on In Situ Methods in Cell Biology & Cellular Biophysics, Berlin, Germany
 2018 Keynote Speaker, 22nd International Mass Spectrometry Society Conference, Florence, Italy
 2018 European Mass Spectrometry Conference, Saarbrücken, Germany
 2018 Proteasome Hub: Fine-Tuning of Proteolysis According to Cellular Needs, Munich, Germany
 2018 Isolated Biomolecules Biomolecular Interactions, Texel, Netherlands
 2018 IISER-WIS Conference on Chemical Biology, Pune, India
 2017 Molecular Perspectives on Protein-Protein Interactions, Eilat, Israel
 2017 31st Annual Symposium of the Protein Society, Montreal, Canada
 2017 Native Mass Spectrometry – Instrumentation and Applications. Crete, Greece
 2017 3rd International p53 Isoform Workshop, Bergen, Norway
 2017 Zomes IX, Zome Complexes and the Ubiquitin-Proteasome System, Rome, Italy
 2017 8th ILANIT Meeting, Eilat, Israel
 2017 Israel Society for Mass Spectrometry Joint with USA Society, Rehovot, Israel
 2016 21st International Mass Spectrometry Society Conference, Toronto, Canada
 2016 7th Proteasomes & Autophagy Workshop, Clermont-Ferrand, France
 2016 MPI-MoIPhy Mini-Symposium on Chemical and Molecular Biology, Rehovot, Israel
 2016 Women in Structural Biology, Grenoble, France
 2015 Receptor Dynamics - Winter School International Doctoral Program, Rehovot, Israel
 2015 5th Symposium on Structural Proteomics, Halle, Germany
 2015 Swedish Mass Spectrometry Society Annual Meeting, Johannesbergs Castle, Sweden
 2015 Native Mass Spectrometry Minisymposium, Hamburg, Germany
 2015 International Symposium on Ubiquitin and Diseases, Zhangjiajie, China
 2015 3rd Mass Spectrometry Workshop, Gdańsk, Poland
 2015 Winter School on Receptor Dynamics & Paradigms for Novel Drugs, Rehovot, Israel
 2015 5th Symposium on Structural Proteomics, Halle, Germany
 2015 Posttranslational Modifications of Proteins Analysis and Functions, Haifa, Israel
 2015 Keystone Symposium on The Human Proteome, Stockholm, Sweden
 2015 Isranalytica, 18th Annual Meeting of the Israel Analytical Chemistry Society, Tel-Aviv, Israel
 2014 4th Symposium on Structural Proteomics, Antwerp, Belgium
 2014 Zomes VIII, Biology of the Zomes, Xiamen, China
 2014 GRC on Intrinsically Disordered Proteins, MA, USA
 2014 ASMS meeting on Ion Activation, FL, USA
 2014 The 79th Annual meeting of the Israel Chemical Society, Tel-Aviv, Israel
 2014 7th ILANIT meeting, Eilat, Israel
 2013 GRC on Biological Molecules in the Gas Phase and in Solution, NH, USA
 2013 The Ubiquitin Family, Cold Spring Harbour Laboratory, NY, USA

2013 DGMS Deutschen Gesellschaft für Massenspektrometrie, Berlin, Germany

2013 Israeli Biophysical Society meeting, Jerusalem, Israel

2013 Proteins from Birth to Death conference, Jerusalem, Israel

2013 WIS-MBI Mechanobiology Conference, Dynamic Architecture of Cells & Tissues, Singapore

2012 Zomes VI, Ubiquitin Family Proteins and Their Cognate PCI Complexes, Munich, Germany

2012 Keystone Symposia on Proteomics, Interactomes, Stockholm, Sweden

2012 MASSA 2012, the National Symposium on Mass Spectrometry, Palermo, Italy

2012 2nd Greek Orbitrap Users Meeting, Iraklio, Crete

2012 Protein Degradation Pathways in Health and Diseases, San-Diego, USA

2011 Proteomics Symposia at Children's Hospital Boston, Boston, USA

2011 International Proteomics Meeting, Athens, Greece

2011 Keystone Symposia, AAA+ and Related ATP-Driven Protein Machines, Tahoe City, USA

2011 6th ILANIT Meeting, Eilat, Israel

2010 ESF meeting, Molecular Perspectives on Protein-Protein Interactions, Sant Feliu, Spain

2010 1st Middle Eastern and Mediterranean Sea Region Countries MS Workshop, Rehovot, Israel

2010 Zomes VI, Expanding the PCI Family Beyond Proteasome, CSN and eIF3, Safed, Israel

2010 French-Israeli ERC Recipients Interdisciplinary Symposium, Jerusalem, Israel

2010 58th ASMS Conference on Mass Spectrometry, Salt Lake City, USA

2009 18th International Mass Spectrometry Conference, Bremen, Germany

2009 The 74th Israel Chemistry Society Annual Meeting, Tel-Aviv, Israel

2009 Biological Chemistry Symposium, Beer-Sheva, Israel

2009 The 22nd Meeting of the Israeli Society for Mass Spectrometry, Technion, Haifa, Israel

2008 Zomes V, The COP9 Signalingosome, Proteasome and eIF3, Yokohama, Japan

2008 56th ASMS Conference on Mass Spectrometry, Colorado, USA

2008 CFN-RBNI-WIS Symposium on Nanotechnology, Karlsruhe, Germany

2008 4th Structural Analysis of Supramolecular Assemblies by Hybrid Methods, Lake Tahoe, USA

2008 5th ILANIT Meeting, Eilat, Israel

2007 The 21st Meeting of the Israeli Society for Mass Spectrometry, Rehovot, Israel

2005 Katzir Conference, Molecular Perspectives on Protein-Protein Interactions, Eilat, Israel

2006 54th ASMS Conference on Mass Spectrometry, Seattle, USA.

INVITED SEMINARS

2020 Molecular Systems Biology Seminar, ETH Zurich, Switzerland

2019 Interfaculty Institute of Biochemistry University of Tuebingen Seminar, Tuebingen, Germany

2019 Thermo Fisher Scientific Seminar, San Jose, USA

2019 Department of Biological Chemistry, Hebrew University of Jerusalem, Israel

2018 WhatsUp Seminar Series, Waters Corporation, Wilmslow, UK

2018 Barcelona Biomed Plenary Seminars, IRB Barcelona, Spain

2017 School of Chemistry Seminar, University of Manchester, UK

2016 Department of Medical Sciences, University of Toronto, Canada

2016 Department of Biotechnology Engineering, Beer-Sheva, Israel

2016 Waters Corporation Seminar, Wilmslow, UK

2015 German Institute of Human Nutrition, Potsdam, Germany

2015 Molecular Biology & Genetics, Johns Hopkins University School of Medicine, USA
2014 Chemical and Molecular Biology and Structural Biology Seminar, Ohio State University, USA
2014 Department of Pharmacy, Università di Salerno, Italy
2014 Department of Structural Biology, Weizmann Institute, Rehovot, Israel
2013 Physical and Theoretical Chemistry Laboratory, University of Oxford, UK
2013 MRC Laboratory of Molecular Biology, Cambridge, UK
2013 Division of Structural Biology, The Institute of Cancer Research, London, UK
2013 Department of Biological Chemistry, Hebrew University of Jerusalem, Israel
2013 Department of Biochemistry & Molecular Biology, Hebrew University of Jerusalem, Israel
2012 Department of Molecular Biology, The Scripps Research Institute, La Jolla, CA, USA
2012 Signal Transduction Program, Sanford-Burnham Medical Research Institute, La Jolla, USA
2012 Beckman Institute, California Institute of Technology, Pasadena, CA, USA
2011 Colloquium of Microbiology and Structure-Biology, University of Göttingen, Germany
2011 The Israel Institute for Biological Research, Ness-Ziona, Israel
2011 Department of Biology, MIT, Boston, USA
2011 Barnett Institute of Chemical and Biological Analysis, Northeastern University, Boston, USA
2011 Department of Cell Biology, Harvard Medical School, Boston, USA
2011 Life Sciences Faculty & Nano-Medicine Research Center, Bar-Ilan University, Israel
2011 Department of Molecular Microbiology and Biotechnology, Tel-Aviv University, Israel
2009 Structural Bioinformatics Group, Tel-Aviv University, Tel-Aviv, Israel
2009 Institute Jacques Monod, Université Paris Diderot-Paris 7, Paris, France
2009 Biologie Cellulaire et Infection, Institute Pasteur, Paris, France
2009 Department of Life Sciences and the NIBN, University of Ben-Gurion in the Negev, Israel
2009 Department of Biological Chemistry, Hebrew University of Jerusalem, Israel
2008 Institute of Chemistry, Hebrew University of Jerusalem, Israel
2008 Department of Plant Sciences, Weizmann Institute, Rehovot, Israel
2006 NIH Proteomics Interest Group