

Prof. Jakub Abramson

Immunology

Weizmann Institute of Science

Personal Info and lab Interests:

Jakub (Kobi) Abramson was born in Prague, Czechoslovakia, and earned his MS in biochemistry from the Institute of Chemical Technology in Prague in 2000. He earned his PhD in 2005 at the Weizmann Institute of Science. He spent five years conducting postdoctoral research at Harvard Medical School before making aliya and joining the Weizmann Institute in 2011. Upon establishing his own laboratory at the Weizmann Institute, his research group is mainly interested in understanding how immunological tolerance to self is established in the thymus and how breakdown of this process results in autoimmunity. In addition to basic research in the fields of immunological tolerance and autoimmunity, the Abramson lab also aims at translating their findings into novel tools for immunotherapy and/or diagnostics of autoimmunity and cancer. In one of such projects they try to “exploit” the break of tolerance (i.e. autoimmunity) to specific tissues to immunotherapeutic tools for corresponding types of cancer.

His research awarded Dr. Abramson a number of prestigious scholarships and awards, including the European Research Council (ERC) consolidator grant award (2016); Krill Prize for Excellence in Scientific Research (2016), Abisch-Frenkel Award (2014), the Dr. Celia Zwillenberg-Fridman and Dr. Lutz Zwillenberg Career Development Chair (2013), the Morasha “Brain Drain” Grant Award from the Israel Science Foundation (2011), and three fellowship awards from the Juvenile Diabetes Research Foundation, including a three-year career transition award (2010) and an advanced postdoctoral award (2007).

Dr. Abramson and his wife, Hoffit, live in Rehovot. They have two sons and one daughter.

Key publications: His team has published several seminal papers providing the molecular basis for understanding the genetic factors that predispose us to autoimmune disorders and/or establishment of self-tolerance in the thymus (Chuprin et al *Nat Immunol.* 2015; Oftedal et al, *Immunity* 2015, Herzig et al *Nat. Immunol* 2017, Avin et al, *Nat Comm* 2017, Abramson et al, *Ann Rev Immunol* 2017, Bornstein et al *Nature*, 2018, Kadouri et al *Nat Rev Immunol*, 2019).

Homepage: <https://www.weizmann.ac.il/immunology/Abramson/>