

CURRICULUM VITAE

Ido Sagi, M.Sc

Personal Information

Name Ido Sagi
Date of birth June 23, 1988
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Academic address The Azrieli Center for Stem Cells and Genetic Research, Department of Genetics, Alexander Silberman Institute of Life Sciences, The Hebrew University of Jerusalem, Edmond J. Safra Campus, Givat Ram, Jerusalem 91904, Israel

Academic Education

2014–present **Studies towards Ph.D. in Genetics, direct track program,** under the supervision of Prof. Nissim Benvenisty, The Hebrew University of Jerusalem, Israel

2013–2014 **Studies towards M.Sc. in Genetics,** under the supervision of Prof. Nissim Benvenisty, The Hebrew University of Jerusalem, Israel
Final degree grade: 98, Direct track Ph.D. exam grade: 100

2010–2013 **B.Sc., *Summa Cum Laude*, Etgar Honors Program in Life Sciences and Amirim Honors Program in Science,** The Hebrew University of Jerusalem, Israel
Final degree grade: 98

Employment

- 2014–present **Teaching assistant** in *Genetics Lab – Honors Program* (course 72131),
Department of Genetics, The Hebrew University of Jerusalem, Israel
- 2013–present **Graduate level research** at the laboratory of Prof. Nissim Benvenisty,
The Azrieli Center for Stem Cells and Genetic Research, Department of
Genetics, The Hebrew University of Jerusalem, Israel
- 2010–2013 **Undergraduate level research** at the laboratory of Prof. Nissim
Benvenisty, The Azrieli Center for Stem Cells and Genetic Research,
Department of Genetics, The Hebrew University of Jerusalem, Israel
- 2010–2011 **Arabic news desk monitor**, SatLink Communications,
Neve Ilan, Israel

International Research Experience

- August–September
2015 **Collaborative research** at the laboratory of Prof. Dieter Egli,
Columbia University, New York, USA

Military Service

- 2007–2010 **Arabic translator** (2007–2009) and **language researcher** (2009–2010),
Israeli Intelligence Corps Unit 8200

Academic Fellowships and Scholarships

Graduate Fellowships and Scholarships

- 2015–present **Adams Fellowship for Doctoral Students**
The Israel Academy of Sciences and Humanities
- 2013–present **Mada Honors Program Excellence scholarship**
Silberman Institute of Life Sciences, The Hebrew University of Jerusalem

Undergraduate Scholarships

- August 2012 **Summer biology program for outstanding students**
Weizmann Institute of Science
- July 2012 **Summer scholarship in the Silberman Institute of Life Sciences**
The Hebrew University of Jerusalem
- 2011–2013 **Amirim Honors Program in Science excellence scholarship**
The Hebrew University of Jerusalem
- July 2011 **Summer scholarship in the Department of Genetics**
The Hebrew University of Jerusalem

Academic Honors and Awards

- 2016 **The New SMART Prize**
The Alexander Silberman Institute of Life Sciences,
The Hebrew University of Jerusalem
- 2013 **Dean's list – M.Sc. students**
The Hebrew University of Jerusalem
- 2012 **Dean's prize for outstanding undergraduate students**
The Hebrew University of Jerusalem
- 2011 **Rector's prize for outstanding undergraduate achievements**
The Hebrew University of Jerusalem

Conferences and Presentations

- June 2016 **The 14th Annual Meeting of the International Society for Stem Cell Research (ISSCR).** San Francisco, CA, USA
Oral presentation: Derivation and differentiation of haploid human embryonic stem cells
– *Travel Award*
- HaploDay 2016 (Medical University of Vienna).** Vienna, Austria
- May 2016 **Danish Stem Cell Center (DanStem) Conference: The Stem Cell Niche– Development & Disease.** Copenhagen, Denmark
Oral presentation: Derivation and differentiation of haploid human embryonic stem cells
– *Travel Award*
- April 2016 **The 6th International Stem Cell Meeting of the Israel Stem Cell Society (ISCS).** Tel Aviv, Israel
– *Best Poster Award*
- June 2015 **The 13th Annual Meeting of the International Society for Stem Cell Research (ISSCR).** Stockholm, Sweden
Poster presentation: The basis and consequences of recurrent epigenetic aberrations in human pluripotent stem cells
– *Travel Award*
- June 2015 **The 3rd Annual Broad-ISF Cell Circuits Symposium.**
Jerusalem, Israel
Poster presentation: Epigenetic stability of human pluripotent stem cells derived by somatic cell nuclear transfer
- June 2014 **The 12th Annual Meeting of the International Society for Stem Cell Research (ISSCR).** Vancouver, Canada
Oral presentation: Epigenetic stability of human pluripotent stem cells derived by somatic cell nuclear transfer
– *Travel Award*

- February 2014 **The 7th Federation of the Israel Societies for Experimental Biology.**
Eilat, Israel
Poster presentation: Analysis of parental imprinting in human parthenogenetic iPS cells reveals antisense regulation of onco-miRNAs
- October 2013 **The 5th International Stem Cell Meeting of the Israel Stem Cell Society (ISCS).** The Hebrew University and Hadassah Medical Center, Jerusalem, Israel
- September 2013 **Stem Cell Biology.** Cold Spring Harbor Laboratory, NY, USA
Poster presentation: Analysis of parental imprinting in human parthenogenetic iPS cells reveals antisense regulation of onco-miRNAs
- July 2013 **The 21st Jerusalem School in Life Sciences – Stem Cells and Regenerative Biology.** The Hebrew University, Jerusalem, Israel
Poster presentation: Analysis of parental imprinting in human parthenogenetic iPS cells reveals antisense regulation of onco-miRNAs –
– *Best Poster Award*

Conference Awards

Travel Awards

- 2016 **The 14th Annual Meeting of the International Society for Stem Cell Research (ISSCR).** San Francisco, CA, USA

Danish Stem Cell Center (DanStem) Conference: The Stem Cell Niche– Development & Disease. Copenhagen, Denmark
- 2015 **The 13th Annual Meeting of the International Society for Stem Cell Research (ISSCR).** Stockholm, Sweden
- 2014 **The 12th Annual Meeting of the International Society for Stem Cell Research (ISSCR).** Vancouver, Canada

Best Poster Awards

- 2016 **The 6th International Stem Cell Meeting of the Israel Stem Cell Society (ISCS).** Tel Aviv, Israel
- Faculty of Science Award.** Faculty Day, the Hebrew University, Jerusalem, Israel
- 2013 **The 21st Jerusalem School in Life Sciences – Stem Cells and Regenerative Biology.** The Hebrew University, Jerusalem, Israel

Publications

Research Papers

1. **Sagi, I.**, Egli, D. & Benvenisty, N. Identification and propagation of haploid human pluripotent stem cells. *Nature Protocols* (in press).
2. **Sagi, I.**, Chia, G., Golan-Lev, T., Peretz, M., Weissbein, U., Sui, L., Sauer, M.V., Yanuka, O., Egli, D. & Benvenisty, N. Derivation and differentiation of haploid human embryonic stem cells. *Nature* **532**, 107–111 (2016).
3. Johannesson, B.*, **Sagi, I.***, Gore, A.*, Paull, D., Yamada, M., Golan-Lev, T., Li, Z., LeDuc, C., Shen, Y., Stern, S., Xu, N., Ma, H., Kang, E., Mitalipov, S., Sauer, M. V., Zhang, K., Benvenisty, N. & Egli, D. Comparable frequencies of coding mutations and loss of imprinting in human pluripotent cells derived by nuclear transfer and defined factors. *Cell Stem Cell* **15**, 634–642 (2014).

* **Co-first author**

Previewed in:

Colman, A. & Burley, J. Human somatic cell reprogramming: does the egg know best? *Cell Stem Cell* **15**, 531–532 (2014).

4. Stelzer, Y., **Sagi, I.**, Yanuka, O., Eiges, R. & Benvenisty, N. The noncoding RNA *IPW* regulates the imprinted *DLK1-DIO3* locus in an induced pluripotent stem cell model of Prader-Willi syndrome. *Nature Genetics* **46**, 551–557 (2014).

Previewed in:

Murrell A. Cross-talk between imprinted loci in Prader-Willi syndrome. *Nature Genetics* **46**, 528–530 (2014).

Purnell, B. A. A role for Mom's genes in Prader-Willi syndrome. *Science* **344**, 1239 (2014).

5. Yamada, M., Johannesson, B., **Sagi, I.**, Burnett, L. C., Kort, D. H., Prosser, R. W., Paull, D., Nestor, M. W., Freeby, M., Greenberg, E., Golan, R. S., Leibel, R. L., Solomon, S. L., Benvenisty, N., Sauer, M. V. & Egli, D. Human oocytes reprogram adult somatic nuclei of a type 1 diabetic to diploid pluripotent stem cells. *Nature* **510**, 533–536 (2014).
6. Stelzer, Y., **Sagi, I.** & Benvenisty, N. Involvement of parental imprinting in the antisense regulation of onco-miR-372-373. *Nature Communications* **4**, 2724 (2013).

Review Papers

1. Avior, Y., **Sagi, I.** & Benvenisty, N. Pluripotent stem cells in disease modelling and drug discovery. *Nature Reviews Molecular Cell Biology* **17**, 170 –182 (2016).

Co-Peer Reviewing

2014–present

Nature

2014–present

Cell Stem Cell