

Curriculum Vitae

Professional Resume

Andreas Androutsellis-Theotokis

Innate Repair LTD | Email: andreas@innaterepair.com; andreastheotokis@gmail.com

Current status

Co-founder and CEO of Innate Repair, a Biotech company developing novel therapies for aggressive cancers.

Education, Academic qualifications

- **1990-93 – BSc in Biochemistry** — Imperial College London, UK
- **1993-97 – BSc in Biochemistry** — Imperial College London, UK
- **2013 – Habilitation Qualification** — TU Dresden, DE

Work Experience

- **1999-2002 – Postdoc Fellow** — Pharmacology, Yale University, USA
- **2002-2008 – Research Fellow** — Stem Cell Biology, NINDS/NIH, USA
- **2008-2009 – Staff Scientist** — Stem Cell Biology, NINDS/NIH, USA
- **2010-2009 – Group Leader** — TU Dresden, DE
- **2016-2017 – Assoc. Prof.** — University of Nottingham, UK
- **2019-present – Co-Founder, CEO** — Innate Repair LTD, UK

Representative publications:

- Androutsellis-Theotokis A, Leker RR, Soldner F, Hoepfner DJ, Ravin R, Poser SW, Rueger MA, Bae SK, Kittappa R, McKay RD. Notch signalling regulates stem cell numbers in vitro and in vivo. *Nature*. 2006 Aug 17;442(7104):823-6. doi: 10.1038/nature04940. Epub 2006 Jun 25. PMID: 16799564.
 - <https://www.nature.com/articles/nature04940>
- Androutsellis-Theotokis A, Rueger MA, Mkhikian H, Korb E, McKay RD. Signaling pathways controlling neural stem cells slow progressive brain disease. *Cold Spring Harb Symp Quant Biol*. 2008;73:403-10. doi: 10.1101/sqb.2008.73.018. Epub 2008 Nov 6. PMID: 19022746.
 - <https://symposium.cshlp.org/content/73/403.long>
- Androutsellis-Theotokis A, Rueger MA, Park DM, Mkhikian H, Korb E, Poser SW, Walbridge S, Munasinghe J, Koretsky AP, Lonser RR, McKay RD. Targeting neural precursors in the adult brain rescues injured dopamine neurons. *Proc Natl Acad Sci U S A*. 2009 Aug 11;106(32):13570-5. doi: 10.1073/pnas.0905125106. Epub 2009 Jul 23. PMID: 19628689; PMCID: PMC2714762.
 - https://www.pnas.org/doi/abs/10.1073/pnas.0905125106?url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&rfr_dat=cr_pub++0pubmed
- Park DM, Jung J, Masjkur J, Makrogkikas S, Ebermann D, Saha S, Rogliano R, Paolillo N, Pacioni S, McKay RD, Poser S, Androutsellis-Theotokis A. Hes3 regulates cell number in cultures from glioblastoma multiforme with stem cell characteristics. *Sci Rep*. 2013;3:1095. doi: 10.1038/srep01095. Epub 2013 Feb 5. PMID: 23393614; PMCID: PMC3566603.
 - <https://www.nature.com/articles/srep01095>
- Masjkur J, Levenfus I, Lange S, Arps-Forker C, Poser S, Qin N, Vukicevic V, Chavakis T, Eisenhofer G, Bornstein SR, Ehrhart-Bornstein M, Androutsellis-Theotokis A. A defined, controlled culture system for primary bovine chromaffin progenitors reveals novel biomarkers and modulators. *Stem Cells Transl Med*. 2014 Jul;3(7):801-8. doi: 10.5966/sctm.2013-0211. Epub 2014 May 22. PMID: 24855275; PMCID: PMC4073824.
 - <https://academic.oup.com/stcltm/article/3/7/801/6388127?login=false>
- Masjkur J, Arps-Forker C, Poser SW, Nikolakopoulou P, Toutouna L, Chenna R, Chavakis T, Chatzigeorgiou A, Chen LS, Dubrovskaja A, Choudhary P, Uphues I, Mark

M, Bornstein SR, Androutsellis-Theotokis A. Hes3 is expressed in the adult pancreatic islet and regulates gene expression, cell growth, and insulin release. *J Biol Chem*. 2014 Dec 19;289(51):35503-16. doi: 10.1074/jbc.M114.590687. Epub 2014 Nov 4. PMID: 25371201; PMCID: PMC4271235.

- [https://www.jbc.org/article/S0021-9258\(19\)56084-7/fulltext](https://www.jbc.org/article/S0021-9258(19)56084-7/fulltext)
- Toutouna L, Nikolakopoulou P, Poser SW, Masjkur J, Arps-Forker C, Troullinaki M, Grossklaus S, Bosak V, Friedrich U, Ziemssen T, Bornstein SR, Chavakis T, Androutsellis-Theotokis A. Hes3 expression in the adult mouse brain is regulated during demyelination and remyelination. *Brain Res*. 2016 Jul 1;1642:124-130. doi: 10.1016/j.brainres.2016.03.014. Epub 2016 Mar 25. PMID: 27018293.
 - <https://www.sciencedirect.com/science/article/abs/pii/S0006899316301536?via%3Dihub>
- Masjkur J, Poser SW, Nikolakopoulou P, Chrousos G, McKay RD, Bornstein SR, Jones PM, Androutsellis-Theotokis A. Endocrine Pancreas Development and Regeneration: Noncanonical Ideas From Neural Stem Cell Biology. *Diabetes*. 2016 Feb;65(2):314-30. doi: 10.2337/db15-1099. PMID: 26798118.
 - <https://diabetesjournals.org/diabetes/article/65/2/314/40165/Endocrine-Pancreas-Development-and-Regeneration>
- Nikolakopoulou P, Chatzigeorgiou A, Kourtzelis I, Toutouna L, Masjkur J, Arps-Forker C, Poser SW, Rozman J, Rathkolb B, Aguilar-Pimentel JA; German Mouse Clinic Consortium; Wolf E, Klingenspor M, Ollert M, Schmidt-Weber C, Fuchs H, Gailus-Durner V, Hrabe de Angelis M, Tsata V, Monasor LS, Troullinaki M, Witt A, Anastasiou V, Chrousos G, Yi CX, García-Cáceres C, Tschöp MH, Bornstein SR, Androutsellis-Theotokis A. Streptozotocin-induced β -cell damage, high fat diet, and metformin administration regulate Hes3 expression in the adult mouse brain. *Sci Rep*. 2018 Jul 27;8(1):11335. doi: 10.1038/s41598-018-29434-2. PMID: 30054579; PMCID: PMC6063949.
 - <https://www.nature.com/articles/s41598-018-29434-2>
- Poser SW, Otto O, Arps-Forker C, Ge Y, Herbig M, Andree C, Gruetzmann K, Adasme MF, Stodolak S, Nikolakopoulou P, Park DM, Mcintyre A, Lesche M, Dahl A, Lennig P, Bornstein SR, Schroeck E, Klink B, Leker RR, Bickle M, Chrousos GP, Schroeder M, Cannistraci CV, Guck J, Androutsellis-Theotokis A. Controlling distinct signaling states in cultured cancer cells provides a new platform for drug discovery. *FASEB J*.

2019 Aug;33(8):9235-9249. doi: 10.1096/fj.201802603RR. Epub 2019 May 30. PMID: 31145643.

- <https://faseb.onlinelibrary.wiley.com/doi/epdf/10.1096/fj.201802603RRSkill#3>

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