

Lukas Forer

Höttingergasse 31
6020 Innsbruck, Austria

Phone: +43 650 8406101

Email: lukas.forer@i-med.ac.at



Date and place of birth: 27.06.1985 in Bruneck, Italy

Academic titles: Ph.D.

Education:

- 1999-2004: Matura at Gewerbeoberschule Bruneck, Italy
- 2004-2010: Study of Computer Science at the University of Innsbruck (MSc.)
- 2010-2014: Study of Computer Science at the University of Innsbruck (Ph.D.)

Awards:

- Aug. 2010: Amazon Research Grant
- Sep. 2010: Scientific price of the Austrian Society for Human Genetics
- Feb. 2012: Aktion D. Swarovski & Co 2011, Research Funding
- Apr. 2013: Amazon Research Grant

Employments:

- 2006-2008: Scientific Software Developer at the European Academy of Bozen/Bolzano (EURAC), Italy
- 2008-2009: Scientific Software Developer at the Research Laboratory of the Department of Urology, Innsbruck Medical University
- 2009-2010: Project member at the Division of Genetic Epidemiology, Innsbruck Medical University
- 2010-2014: Scientific Assistant at the Division of Genetic Epidemiology, Innsbruck Medical University
- Since 2014: Postdoc at the Division of Genetic Epidemiology, Innsbruck Medical University

Publications by Lukas Forer (2007 – 2014)

- 1 2007 Fuchsberger C, Miksch S, Forer L, Pattaro C: *Analyzing Populations with Visual and Analytical Methods to Identify Family Clustered Diseases*. In: **Proc. of the 12th World Congress on Health (Medical) Informatics** (Medinfo'2007). Brisbane, Australia, pp. P317 (1-2).

- 2 2008 Fuchsberger C, Forer L, Pattaro C, Hicks A, Pramstaller P, Miksch S: *Visual Analytical Methods to Identify Family Clustered Diseases*. In: **Proc. 21st IEEE International Symposium on Computer-Based Medical Systems** (CBMS '08), pp. 602-604.

- 3 2008 Fuchsberger C, Falchi M, Forer L, Pramstaller P: *PedVizApi: a Java API for the interactive, visual analysis of extended pedigrees*. **Bioinformatics**, 2008; Vol. 24(2), pp. 279- 281.

- 4 2010 Forer L, Schönherr S, Weissensteiner H, Haider F, Kluckner T, Gieger C, Wichmann HE, Specht G, Kronenberg F, Kloss-Brandstätter A*: *CONAN: copy number variation analysis software for genome-wide association studies*. **BMC Bioinformatics** 2010; 11(1):318

- 5 2011 Schönherr S, Forer L, Weissensteiner H, Kronenberg F, Specht G, Kloss-Brandstätter A: *A feedback guided interface for elastic computing*. In: **Proceedings of the 23rd Workshop Grundlagen von Datenbanken (GvDB 2011)**, Obergurgl, Austria, 2011. CEUR-WS.org, Vol. 733, online urn:nbn:de:0074-733-4.

- 6 2011 Jacquemont S, Reymond A, Zufferey F, Harewood L, Walters RG, Kutalik Z, Martinet D, Shen Y, Valsesia A, Beckmann ND, Thorleifsson G, Belfiore M, Bouquillon S, Campion D, de Leeuw N, de Vries BB, Esko T, Fernandez BA, Fernández-Aranda F, Fernández-Real JM, Gratacòs M, Guilmatre A, Hoyer J, Jarvelin MR, Frank Kooy R, Kurg A, Le Caignec C, Männik K, Platt OS, Sanlaville D, Van Haelst MM, Villatoro Gomez S, Walha F, Wu BL, Yu Y, Aboura A, Addor MC, Alembik Y, Antonarakis SE, Arveiler B, Barth M, Bednarek N, Béna F, Bergmann S, Beri M, Bernardini L, Blaumeiser B, Bonneau D, Bottani A, Boute O, Brunner HG, Cailley D, Callier P, Chiesa J, Chrast J, Coin L, Coutton C, Cuisset JM, Cuvellier JC, David A, de Freminville B, Delobel B, Delrue MA, Demeer B, Descamps D, Didelot G, Dieterich K, Disciglio V, Doco-Fenzy M, Drunat S, Duban-Bedu B, Dubourg C, El-Sayed Moustafa JS, Elliott P, Faas BH, Faivre L, Faudet A, Fellmann F, Ferrarini A, Fisher R, Flori E, Forer L, Gaillard D, Gerard M, Gieger C, Gimelli S, Gimelli G, Grabe HJ, Guichet A, Guillin O, Hartikainen AL, Heron D, Hippolyte L, Holder M, Homuth G, Isidor B, Jaillard S, Jaros Z, Jiménez-Murcia S, Joly Helas G, Jonveaux P, Kaksonen S, Keren B, Kloss-Brandstätter A, Knoers NV, Koolen DA, Kroisel PM, Kronenberg F, Labalme A, Landais E, Lapi E, Layet V, Legallic S, Leheup B, Leube B, Lewis S, Lucas J, Macdermot KD, Magnusson P, Marshall C, Mathieu-Dramard M, McCarthy MI, Meitinger T, Antonietta Mencarelli M, Merla G, Moerman A, Mooser V, Morice-Picard F, Mucciolo M, Nauck M, Coumba Ndiaye N, Nordgren A, Pasquier L, Petit F, Pfundt R, Plessis G, Rajcan-Separovic E, Paolo Ramelli G, Rauch A, Ravazzolo R, Reis A, Renieri A, Richart C, Ried JS, Rieubland C, Roberts W, Roetzer KM, Rooryck C, Rossi M, Saemundsen E, Satre V, Schurmann C, Sigurdsson E, Stavropoulos DJ, Stefansson H, Tengström C, Thorsteinsdóttir U, Tinahones FJ, Touraine R, Vallée L, van Binsbergen E, Van der Aa N, Vincent-Delorme C, Visvikis-Siest S, Vollenweider P, Völzke H, Vultovan Silfhout AT, Waeber G, Wallgren-Pettersson C, Witwicki RM, Zwolinski S,

Andrieux J, Estivill X, Gusella JF, Gustafsson O, Metspalu A, Scherer SW, Stefansson K, Blakemore AI, Beckmann JS, Froguel P: *Mirror extreme BMI phenotypes associated with gene dosage at the chromosome 16p11.2 locus.* **Nature**, 2011, doi: 10.1038/nature10406.

- 7 2012 Schönherr S, Forer L, Weißensteiner H, Kronenberg F, Specht G, and Kloss-Brandstätter A: *Cloudgene: a graphical execution platform for MapReduce programs on private and public clouds.* **BMC Bioinformatics**, 13(1):200, Jan. 2012
- 8 2012 Lamina, C., Forer, L., Schönherr, S., Kollerits, B., Ried, J. S., Gieger, C., Peters, A., et al. (2012): Evaluation of gene-obesity interaction effects on cholesterol levels: a genetic predisposition score on HDL-cholesterol is modified by obesity. **Atherosclerosis**, 225(2), 363-9. doi:10.1016/j.atherosclerosis.2012.09.016
- 9 2013 Weissensteiner H, Haun M, Schönherr S, Neuner M, Forer L, Specht G, Kloss-Brandstätter A, Kronenberg F, and Coassin. S: *SNPflow: A Lightweight Application for the Processing, Storing and Automatic Quality Checking of Genotyping Assays.* **PloS one**, 8(3):e59508, Jan. 2013
- 10 2014 Summerer M, Horst J, Erhart G, Weißensteiner H, Schönherr S, Pacher D, Forer L, Horst D, Manhart A, Horst B, Sanguansermsri T, Kloss-Brandstätter A: *Large-scale mitochondrial DNA analysis in Southeast Asia reveals evolutionary effects of cultural isolation in the multi-ethnic population of Myanmar.* **BMC Evolutionary Biology** 2014 (1), 17
- 11 2014 Forer L, Lipic T, Schöönherr S, Weißensteiner H, Davidovic D, Kronenberg F, Afgan E: *Delivering Bioinformatics MapReduce Application in the Cloud* **Proceedings of 37th International ICT Convention MIPRO**, 2014, Croatia

Conference Talks by Lukas Forer (2010 – 2014)

- 1 2010 **10. Jahrestagung der ÖGH in Wien**, 24.09.2010, Wien, Österreich
- 2 2011 **European Society of Human Genetics Conference 2011**, 2011-05-27 – 2011-05-31, Amsterdam, Niederlande
- 3 2011 **23. Workshop Grundlagen von Datenbanken**, 2011-06-1 – 2011-06-03, Obergurgl, Österreich
- 4 2011 **12th Annual Bioinformatics Open Source Conference**, 2011-07-14 - 2012-07-17, Wien, Österreich
- 5 2011 **11. Jahrestagung der ÖGH in Salzburg**, 30.09.2011, Salzburg, Österreich
- 6 2012 **13th Annual Bioinformatics Open Source Conference**, 2012-07-13 – 2012-07-14, Long Beach, USA
- 7 2012 **imzML Workshop: Improved Data Sharing and Data Analysis**, 2012-09-23 - 2012-09-27, Rauischholzhausen, Deutschland

- 8 2013 **Workshop of Genetic Epidemiology 2013**, 2013-04-10 – 2013-04-12, Grainau, Deutschland
- 9 2013 **Hadoop and NGS Data Processing Hackathon III**, 2013-06-04 - 2013-06-05, Pula, Italien
- 10 2014 **Hadoop and NGS Data Processing Hackathon IV**, 2014-04-01 - 2014-04-02, Sofia, Bulgarien
- 11 2014 **Workshop of Genetic Epidemiology 2014**, 2014-05-07 – 2014-05-09, Grainau, Deutschland
- 12 2014 **37th International ICT Convention MIPRO**, 2014-05-29, Opatija, Kroatien