

22. Nationale Gesundheitsförderungs-Konferenz

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Dominique J.-F. de Quervain

Born

December 08, 1968 in Bern, Switzerland

Address

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Position/Title

Full Professor, Director
Division of Cognitive Neuroscience
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University of Basel

Research Dean of the Faculty of
Psychology, University of Basel

Co-founder of GeneGuide AG, a spin-off
company of the University of Basel

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Education/Trainig

| INSTITUTION AND LOCATION | DEGREE | YEAR(s) | FIELD OF STUDY |
|--|-------------------------------------|---------|----------------|
| Gymnasium, Bern, Switzerland | Matura/ University qualification | 1989 | |
| Medical School, University of Bern, Switzerland | Diploma in Medicine | 1996 | Medicine |
| Medical School, University of Bern, Switzerland | M.D. degree | 1998 | Neurology |





Previous academic positions:

- 1997-1998 Research Fellow at the Center for the Neurobiology of Learning and Memory, University of California, Irvine, USA
- 1998-1999 Resident and Research Fellow at the Department of Psychiatry, University of Basel
- 2000-2004 Resident and SCORE-B Research Fellow of the Swiss National Science Foundation at the Division of Psychiatry Research, University of Zürich
- 2005-2009 Research Professor of the Swiss National Science Foundation (Förderungsprofessur) at the Division of Psychiatry Research, University of Zürich

Awards / Important memberships:

- 2003 Best Clinical Study Award (Swiss Society for Neuroscience)
- 2006 Pfizer-Prize 2006 in Neuroscience
- 2007 Robert-Bing Prize of the Swiss Academy of Medical Sciences
- 2010 Fellow of the Association for Psychological Science Dominique J.-F. de Quervain, CV, March 2019 Page 2
- 2013 Member of the Supreme Council of the Swiss Academy of Medical Sciences
- 2014 Cloëtta-Preis
- 2015-date Member of the National Research Council of the Swiss National Science Foundation

Teaching Experience:

- 2000-date Lectures and seminars for students in Psychology and Medicine on learning and memory and on pathophysiology of neuropsychiatric diseases at the University of Zürich and University of Basel

Funding: Research Support as Principal Investigator (competitive grants only)

| Short title | Funding Institution | Total funding [CHF] | Start/End |
|--|--|---------------------|-------------|
| The role of epigenetic modification of glucocorticoid-related genes | Swiss National Science | 430'008 | 04/15-03/18 |
| Gene-environment interactions in posttraumatic stress disorder | Swiss National Science | 483'075 | 07/13-06/16 |
| Human genetics-driven discovery of memory-modulating drugs | Commission for Technology and Innovation, FDEA | 813'156 | 03/12-12/15 |
| Emotional Memory in Health and Disease | Swiss National Science Foundation, Sinergia | 2'200'000 | 10/10-09/13 |
| Mineralocorticoid- and glucocorticoid receptor systems and emotional memory: A human genetics approach | European Science Foundation/ Swiss National Science Foundation | 483'469 | 10/08-09/11 |
| Memory in Health and Disease - From basic mechanisms to clinical implications | Swiss National Science Foundation, Förderungsprofessur | 2'003'005 | 02/05-02/11 |
| The role of glucocorticoids in human memory retrieval | Swiss National Science Foundation, SCORE-B | 602'900 | 01/00-12/04 |

10 most important peer-reviewed publications out of >100 publications

(full list: <http://www.ncbi.nlm.nih.gov/pubmed/?term=de+quervain+d>)





1. Papassotiropoulos A, Stephan DA, Huentelman MJ, Hoerndli FJ, Craig DW, Pearson JV, Huynh KD, Brunner F, Corneveaux J, Osborne D, Wollmer MA, Aerni A, Coluccia D, Hänggi J, Mondadori CR, Buchmann A, Reiman EM, Caselli RJ, Henke K, de Quervain DJ. Common Kibra alleles are associated with human memory performance. *Science* 2006;314(5798):475-8.
2. de Quervain DJ, Kolassa IT, Ertl V, Onyut PL, Neuner F, Elbert T, Papassotiropoulos A. A deletion variant of the alpha2b-adrenoceptor is related to emotional memory in Europeans and Africans. *Nature Neuroscience* 2007;10(9):1137-9.
3. de Quervain DJ, Bentz D, Michael T, Bolt OC, Wiederhold BK, Margraf J, Wilhelm FH (2011) Glucocorticoids enhance extinction-based psychotherapy. *Proc Natl Acad Sci USA* 108:6621-6625.
4. de Quervain DJ, Henke K, Aerni A, Coluccia D, Wollmer MA, Hock C, Nitsch RM, Papassotiropoulos A. A functional genetic variation of the 5-HT2a receptor affects human memory. *Nature Neuroscience* 2003;6(11):1141-2.
5. Papassotiropoulos, A., Gerhards, C., Heck, A., Ackermann, S., Aerni, A., Schick Tanz, N., Auschra, B., Demougin, P., Mumme, E., Elbert, T., Ertl, V., Gschwind, L., Hanser, E., Huynh, K.D., Jessen, F., Kolassa, I.T., Milnik, A., Paganetti, P., Spalek, K., Vogler, C., Muhs, A., Pfeifer, A., and de Quervain, D.J. 2013 Human genome-guided identification of memory-modulating drugs. *Proc Natl Acad Sci U S A* 110(46):E4369-74.
6. de Quervain DJ, Papassotiropoulos A. Identification of a genetic cluster influencing memory performance and hippocampal activity in humans. *Proc Natl Acad Sci U S A* 2006;103(11):4270-4.
7. Rasch B, Spalek K, Buholzer S, Lüchinger R, Bösiger P, Papassotiropoulos A, de Quervain DJF. A functional genetic variation of the noradrenergic system is related to differential amygdala activation during encoding of emotional memories. *Proc Natl Acad Sci U S A* 2009;106(45):19191–19196.
8. de Quervain, D. J.-F., Roozendaal, B., Nitsch, R. M., McGaugh, J. L., and Hock, C. Acute cortisone administration impairs retrieval of long-term declarative memory in humans. *Nature Neuroscience*, 2000, 3, 313-314
9. de Quervain, D. J.-F., Roozendaal, B., and McGaugh, J. L. Stress and glucocorticoids impair retrieval of long-term spatial memory. *Nature*, 1998, 394, 787-790
10. de Quervain, D. J.-E., Fischbacher U., Treyer, V., Schellhammer M., Schnyder, U., Buck, A., Fehr, E. The neural basis of altruistic punishment. *Science*, 305, 1254-1258 (2004).

