

Curriculum Vitae

Anna Brichkina, PhD. Born on April 17th, 1978, in Saint-Petersburg, Russia

Education

2006 PhD degree, Institute of Cytology, Rus. Acad. of Sci., Saint-Petersburg, Russia
1995-2001 University degree, St.-Petersburg State University, Russia (summa cum laude)

Scientific career

03/2023- current Group leader, Institute of Systems Immunology, Center for Tumor Biology and Immunology, Philipps University Marburg
11/2016-02/2023 Senior scientist, Center for Tumor Biology and Immunology, Philipps University Marburg
2009-2016 Senior research fellow and Principal Investigator (2014 – 2016 acting head of the lab), Institute of Molecular and Cellular Biology, A*STAR, Singapore
2007-2009 Research fellow, National Cancer Centre, Singapore
2006-2007 Postdoc, Institute for Age Research, Jena, Germany
2002-2004 Exchanged PhD student, Institute of Toxicology and Genetics, FZ Karlsruhe, Germany
1998-2007 Lab assistant, PhD student and staff scientist, Institute of Cytology, Russian Academy of Sciences, Saint-Petersburg, Russia

Awards and Honors

2020 Anneliese Pohl – Habilitationsförderung (University of Marburg, Germany)
2018 Stipendium der Novartis-Stiftung für therapeutische Forschung (Germany)
2014 JCO Career Development Award (IMCB, Singapore)
2003-2004 visiting scientist fellowship, FZ Karlsruhe, Germany
2002, 2003 two personal grants for young scientists, Russia
2002 personal Leonard Euler Fellowship
2001 personal George Soros' scholarship, Russia

Citation Record

Total citations: 474; h-index: 7

Top-10 selected publications

1. Picard F*, Lutz V*, **Brichkina A***, Neuhaus F, Ruckenbrod T, Hupfer A, Raifer H, Klein M, Bopp T, Pfefferle PI, Savai R, Prinz I, Waisman A, Moos S, Chang HD, Heinrich S, Bartsch DK, Buchholz M, Singh S, Tu M, Klein L, Bauer C, Liefke R, Burchert A, Chung HR, Mayer P, Gress TM, Lauth M, Gaida M, Huber M. IL-17A-producing CD8+ T cells promote PDAC via induction of inflammatory cancer-associated fibroblasts. **Gut**. 2023 Feb 9;gutjnl-2022-327855. IF 31.8
2. Erukashvily NI, Ponomartsev NV, Ketkar A, Suezov R, Chubar AV, Prjibelski AD, Shafranskaya DD, Elmshäuser S, Keber CU, Stefanova VN, Akopov AL, Klingmüller U, Pfefferle PI, Stiewe T, Lauth M, **Brichkina AI**. Pericentromeric satellite lncRNAs are induced in cancer-associated fibroblasts and regulate their functions in lung tumorigenesis. **Cell Death Dis**. 2023 Jan 12;14(1):19. IF 9.68
3. Hupfer A, **Brichkina A**, Koeniger A, Brehm C, Denkert C, Pfefferle P, Helmprobst F, Pagenstecher A, Visekruna A, Lauth A. Matrix stiffness drives autophagy and promotes formation of a stromal metabolic niche. Oct 5;118(40):e2105367118. 2021 **PNAS**. IF 13.45
4. Novoselova M, Loh HM, Trushina D, Ketkar A, Abakumova T, Zatsepin T, Kakran M, Brzozowska A, Hong LH, Gorin D, Antipina M*, **Brichkina A***. Biodegradable Polymeric Multilayer Capsules for Therapy of Lung Cancer. **ACS Applied Materials and Interfaces** 12, 5610-5623, 2020. IF 10.38
5. **Brichkina A** and Bulavin DV. Cancer suppression by systemic inactivation of p38MAPK. **Oncotarget** Feb 11, doi: 10.18632/oncotarget.15293, 2017. IF 5.31

6. **Brichkina A**, Bertero T, Loh HM, Nguyen NTM, Emelyanov A, Rigade S, Ilie M, Hofman P, Gaggioli C, Bulavin DV. p38MAPK builds a hyaluronan cancer niche to drive lung tumorigenesis. **Genes Dev** 30, 2623–2636, 2016. IF 13.62
7. **Brichkina A**, Nguyen NT, Baskar R, Wee S, Gunaratne J, Robinson RC, Bulavin DV. Proline isomerisation as a novel regulatory mechanism for p38MAPK activation and functions. **Cell Death Differ** 23, 1592-601, 2016. IF 12.89
8. Romanov VS*, **Brichkina AI***, Morrison H, Pospelova TV, Pospelov VA, Herrlich P. Novel mechanism of JNK pathway activation by adenoviral E1A. **Oncotarget** 5, 2176-86, 2014. IF 5.31
9. Le Guezennec X, **Brichkina A**, Huang YF, Kostromina E, Han W, Bulavin DV. Wip1-dependent regulation of autophagy, obesity, and atherosclerosis. **Cell Metabolism** 16, 68-80, 2012. IF 35.1
10. **Brichkina A** and Bulavin D. Wip-ing out atherosclerosis with autophagy. **Autophagy** 8, 1545-17, 2012. IF 16.14

Patents

1. Brichkina A, Suezov R. Biodegradable polymeric nanoparticles for drug- or gene delivery. European patent application EP 22182839.5 (16.08.2022).
2. Brichkina A, Novoselova M, Bulavin D, Antipina M. A novel method of lung cancer treatment via blocking the tumor-promoting functions of macrophages. Singapore patent application number: 10201702209V (17.03.2017).