

Curriculum Vitae

Personal information Naomi Barak

Work experience

1. Employer: Federal Office of Consumer Protection and Food Safety (BVL)
 - Start date: 01-01-2023
 - End date:
 - Position: Scientific Officer
 - Activities: Risk assessment of residues of pharmacologically active substances in food within MRL and MA procedures with focus on withdrawal period determination.
 - Country: Germany
2. Employer: Federal Institute for Risk Assessment (BfR)
 - Start date: 07-2020
 - End date: 12-2022
 - Position: Scientific Officer
 - Activities: Risk assessment of feed additives and undesirable substances (e.g. mycotoxins) in feed. Transmission of African Swine Fever via feed
 - Country: Germany
3. Employer: Bayer Pharma AG
 - Start date: 01-2016
 - End date: 06-2020
 - Position: Senior Scientist and Laboratory Head
 - Activities: Assay Development (biochemical and biophysical) High Throughput Screening Project management
 - Country: Germany
4. Employer: Bayer Healthcare Co. Ltd.
 - Start date: 01-2014
 - End date: 12-2015
 - Position: Alliance Manager
 - Activities: Collaborations with universities and CROs
 - Country: China
5. Employer: Bayer Pharma AG
 - Start date: 03-2010
 - End date: 06-2013
 - Position: Scientist and Laboratory Head
 - Activities: Assay Development (biochemical and biophysical) High Throughput Screening
 - Country: Germany

Education and training

1. Subject: Max Planck Research Unit for Enzymology of Protein Folding in Halle (Saale)
 - Start date: 10-2006
 - End date: 02-2010
 - Qualification: PhD in Biochemistry (Dr. rer. nat)
 - Organisation:
 - Country: Germany
2. Subject: Freie Universität Berlin
 - Start date: 03-2001
 - End date: 09-2006
 - Qualification: Diploma in Biochemistry
 - Organisation:
 - Country: Germany
3. Subject: Tierklinik Tann (veterinary clinic), Darmstadt
 - Start date: 08-1999
 - End date: 01-2001
 - Qualification: Veterinary Assistant
 - Organisation:
 - Country: Germany

Additional information

Publications

Literature review and qualitative risk assessment on the role of feed materials in African Swine Fever Virus transmission. Kowalczyk, J., Barak, N., Riede, O., Engel, A.M., Koch, F., Spolders, M., Blome, S., Pieper, R., 2022. Berliner und Münchener tierärztliche Wochenschrift. 2022 135. doi: 10.2376/1439_0299_2022_3A

A Novel NAMPT Inhibitor Based Antibody Drug Conjugate Payload Class for Cancer Therapy. Böhnke N, Berger M, Griebenow N, Rottmann A, Erkelenz M, Hammer S, Berndt S, Günther J, Wengner AM, Stelte Ludwig B, Mahler C, Greven S, Dietz L, Jörißen H, Barak N, Bömer U, Hillig RC, Eberspächer U, Weiske J, Giese A, Mumberg D, Nising CF, Weinmann H, Sommer A. Bioconjug Chem. 2022 Jun 15;33(6):1210_1221. doi: 10.1021/acs.bioconjchem.2c00178. Epub 2022 Jun 3.

Identification of Small Molecules that Modulate Mutant p53 Condensation. Lemos C, Schulze L, Weiske J, Meyer H, Brauer N, Barak N, Eberspächer U, Werbeck N, Stresemann C, Lange M, Lesche R, Zabrowsky N, Juenemann K, Kamburov A, Luh LM, Leissing TM, Mortier J, Steckel M, Steuber H, Eis K, Eheim A, Steigemann P. iScience. 2020

Sep 1;23(9):101517. doi: 10.1016/j.isci.2020.101517.

Concentration Dependence of the Unbound Partition Coefficient K_{puu} and Its Application to Correct for Exposure-Related Discrepancies between Biochemical and Cellular Potency of KAT6A Inhibitors. Trünkle C, Lechner C, Korr D, Bouché L, Barak N, Fernández_Montalván A, Süßmuth RD, Reichel A. Drug Metab Dispos. 2020 Jul;48(7):553-562. doi: 10.1124/dmd.120.090563. Epub 2020 May 1.

Discovery and Characterization of a Highly Potent and Selective Aminopyrazoline Based in Vivo Probe (BAY_598) for the Protein Lysine Methyltransferase SMYD2. Eggert E, Hillig RC, Koehr S, Stöckigt D, Weiske J, Barak N, Mowat J, Brumby T, Christ CD, Ter Laak A, Lang T, Fernandez_Montalvan AE, Badock V, Weinmann H, Hartung IV, Barsyte_Lovejoy D, Szewczyk M, Kennedy S, Li F, Vedadi M, Brown PJ, Santhakumar V, Arrowsmith CH, Stellfeld T, Stresemann C. J Med Chem. 2016 May 26;59(10):4578-600. doi: 10.1021/acs.jmedchem.5b01890. Epub 2016 May 3.

Regulation of endosomal membrane traffic by a Gadkin/AP_1/kinesin KIF5 complex. Schmidt MR, Maritzen T, Kukhtina V, Higman VA, Doglio L, Barak NN, Strauss H, Oschkinat H, Dotti CG, Haucke V. Proc Natl Acad Sci U S A. 2009 Sep 8;106(36):15344-9. doi: 10.1073/pnas.0904268106. Epub 2009 Aug 21.

Crystal structure and functional analysis of the protein disulfide isomerase-related protein ERp29. Barak NN, Neumann P, Sevana M, Schutkowski M, Naumann K, Malesević M, Reichardt H, Fischer G, Stubbs MT, Ferrari DM. J Mol Biol. 2009 Feb 6;385(5):1630-42. doi: 10.1016/j.jmb.2008.11.052. Epub 2008 Dec 3.

Conserved structural and functional properties of D_domain containing redox_active and _inactive protein disulfide isomerase-related protein chaperones. Lippert U, Diao D, Barak NN, Ferrari DM. J Biol Chem. 2007 Apr 13;282(15):11213-20. doi: 10.1074/jbc.M604440200. Epub 2007 Feb 12.

Projects

Memberships

German Society of Experimental and Clinical Pharmacology and Toxicology (DGPT)

Other Relevant Information