Curriculum Vitae

Personal information

Lieke van der Velden

Work experience

1. Employer: Medicines evaluation board (Netherlands)
    - Start date: 08 2019
    - End date: present
    - Position: Pharmacovigilance assessor
    - Activities:
    - Country: Netherlands
2. Employer: Regionaal Zorg en Communicatie Centrum
    - Start date: 022018
    - End date: 052019
    - Position: project manager medication
    - Activities: Detect and analyse problems at organisational and/or ICT level in the process of medication assignation between caretakers of different disciplines.
    - Country: Netherlands
3. Employer: Pivot Park Screening center
    - Start date: 032016
    - End date: 022017
    - Position: assay developer
    - Activities: My main responsibility was to transfer biochemical assays of customers to ultra High Throughput Screening (uHTS) in 1536 well plates. Amongst others my tasks were: _ Write, compose and manage all biological safety documentation within the company _ Execute lab work and analyse the data. _ Communicate results to the customer in conference calls, through written reports and by oral presentations. _ Verify and calibrate (automated) laboratory equipment.
    - Country: Netherlands
4. Employer: UMC Utrecht, Cell Biology
    - Start date: 092011
    - End date: 012016
    - Position: Post_doc
    - Activities: Purpose of my research was to screen a library of 40.000 compounds that would inhibit Growth hormone receptor signalling (GHR) and inhibit Growth Hormone sensitive cancers.
    - Country: Netherlands
5. Employer: UMC Utrecht, metabolic disease
    - Start date: 082010
    - End date: 082011
    - Position: Post_doc
    - Activities: In close collaboration with the Technical University Eindhoven I developed a cellular FRET_based biosensor for bile acids.
    - Country: Netherlands

Education and training

1. Subject: UMC Utrecht / University Utrecht
    - Start date: 032005
    - End date: 062010
    - Qualification: PhD
    - Organisation: Researching the cellular consequences of ATP8B1 deficiency and study the possibilities of (pharmacological) treatment for these patients. _ Execute cell biological and biochemical lab work and analyse the data. _ Present results at scientific meetings _ Write scientific papers. _ Educate (internship of) Master student(s).
    - Country: Netherlands
2. Subject: Leiden University
    - Start date: 092001
    - End date: 062005
    - Qualification: MSc Biology
    - Organisation: _ General medical biology _ specific research topic in the erea of NFkB signaling in immune response in zebrafish _ specific research topic in the erea of eppstein Barr virus proteins and immune evasion
    - Country: Netherlands
3. Subject: Hogeschool of Arnhem and Nijmegen
    - Start date: 091997
    - End date: 062001
    - Qualification: BSc, Biological and medical laboratory engineer
    - Organisation: training in life sciences for the laboratory environment.
    - Country: Netherlands

Additional information

Publications

- Small molecules to regulate the GH/IGF1 axis by inhibiting the growth hormone receptor synthesis.van der Velden LM, Maas P, van Amersfoort M, Timmermans-Sprang EPM, Mensinga A, van der Vaart E, Malergue

F, Viëtor H, Derksen PWB, Klumperman J, van Agthoven A, Egan DA, Mol JA, Strous GJ. Front Endocrinol (Lausanne). 2022 Jul 28;13:926210. doi: 10.3389/fendo.2022.926210. eCollection 2022. PMID: 35966052.
- Combining Supervised and Unsupervised Machine Learning Methods for Phenotypic Functional Genomics Screening. Omta WA, van Heesbeen RG, Shen I, de Nobel J, Robers D, van der Velden LM, Medema RH, Siebes APJM, Feelders AJ, Brinkkemper S, Klumperman JS, Spruit MR, Brinkhuis MJS, Egan DA. SLAS Discov. 2020 Jul;25(6):655-664. doi: 10.1177/2472555220919345. Epub 2020 May 13. PMID: 32400262.
- HC StratoMineR: A Web-Based Tool for the Rapid Analysis of High-Content Datasets. Omta WA, van Heesbeen RG, Pagliero RJ, van der Velden LM, Lelieveld D, Nellen M, Kramer M, Yeong M, Saeidi AM, Medema RH, Spruit M, Brinkkemper S, Klumperman J, Egan DA. Assay Drug Dev Technol. 2016 Oct;14(8):439-452. doi: 10.1089/adt.2016.726. Epub 2016 Sep 16. PMID: 27636821
- Fos-Zippered GH Receptor Cytosolic Tails Act as Jak2 Substrates and Signal Transducers. Nespital T, van der Velden LM, Mensinga A, van der Vaart ED, Strous GJ. Mol Endocrinol. 2016 Mar;30(3):290-301. doi: 10.1210/me.2015-1315. Epub 2016 Feb 9. PMID: 26859362.
- Multimeric growth hormone receptor complexes serve as signaling platforms. Sedek M, van der Velden LM, Strous GJ. J Biol Chem. 2014 Jan 3;289(1):65-73. doi: 10.1074/jbc.M113.523373. Epub 2013 Nov 26. PMID: 24280222.
- Monitoring bile acid transport in single living cells using a genetically encoded Förster resonance energy transfer sensor. van der Velden LM, Golynskiy MV, Bijsmans IT, van Mil SW, Klomp LW, Merkx M, van de Graaf SF. Hepatology. 2013 Feb;57(2):740-52. doi: 10.1002/hep.26012. Epub 2013 Jan 8. PMID: 22899095
- Heteromeric interactions required for abundance and subcellular localization of human CDC50 proteins and class 1 P4-ATPases.van der Velden LM, Wichers CG, van Breevoort AE, Coleman JA, Molday RS, Berger R, Klomp LW, van de Graaf SF. J Biol Chem. 2010 Dec 17;285(51):40088-96. doi: 10.1074/jbc.M110.139006. Epub 2010 Oct 14. PMID: 20947505.
- Biochemical and cellular functions of P4 ATPases. van der Velden LM, van de Graaf SF, Klomp LW. Biochem J. 2010 Oct 1;431(1):1-11. doi: 10.1042/BJ20100644. PMID: 20836764 Review.
- A flippase-independent function of ATP8B1, the protein affected in familial intrahepatic cholestasis type 1, is required for apical protein expression and microvillus formation in polarized epithelial cells. Verhulst PM, van der Velden LM, Oorschot V, van Faassen EE, Klumperman J, Houwen RH, Pomorski TG, Holthuis JC, Klomp LW. Hepatology. 2010 Jun;51(6):2049-60. doi: 10.1002/hep.23586. PMID: 20512993
- Folding defects in P-type ATP 8B1 associated with hereditary cholestasis are ameliorated by 4-phenylbutyrate. van der Velden LM, Stapelbroek JM, Krieger E, van den Berghe PV, Berger R, Verhulst PM, Holthuis JC, Houwen RH, Klomp LW, van de Graaf SF. Hepatology. 2010 Jan;51(1):286-96. doi: 10.1002/hep.23268. PMID: 19918981
- ATP8B1 is essential for maintaining normal hearing. Stapelbroek JM, Peters TA, van Beurden DH, Curfs JH, Joosten A, Beynon AJ, van Leeuwen BM, van der Velden LM, Bull L, Oude Elferink RP, van Zanten BA, Klomp LW, Houwen RH.Proc Natl Acad Sci U S A. 2009 Jun 16;106(24):9709-14. doi: 10.1073/pnas.0807919106. Epub 2009 May 28.PMID: 19478059

Projects

Memberships

Other Relevant Information