EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

Curriculum Vitae

Personal information

Miguel Angel Cortes Gonzalez

Work experience

1. Position: Pharmaceutical Assessor.
   - Start date: February 2026.
   - End date: Present.
   - Employer: Medical Products Agency
   - Country: Sweden.
   - Activities: Quality assessment of active substances in marketing authorisation of medicinal products.

2. Position: Senior Research Infrastructure Specialist.
   - Start date: January 2024.
   - End date: December 2025.
   - Employer: Karolinska Institutet
   - Country: Sweden.
   - Activities: Process validation and CMC of PET radiopharmaceutical products for clinical studies. Production of PET radiopharmaceuticals for clinical studies.

3. Position: Radiochemist.
   - Start date: June 2020.
   - End date: December 2023.
   - Employer: Karolinska Institutet
   - Country: Sweden.
   - Activities: Development of labelling procedures and production of PET radiopharmaceuticals for preclinical studies. Process validation and CMC of PET radiopharmaceutical products for clinical studies. Production of PET radiopharmaceuticals for clinical studies.

Education and training

1. Qualification: Doctor of Philosophy in Organic Chemistry.
   - Start date: September 2015.
   - End date: January 2020.
   - Institution: Stockholm University.
   - Country: Sweden.
   - Subject: Nucleophilic and electrophilic fluorination and translation to fluorine-18 labelling procedures.

2. Qualification: Master in Organic Chemistry.
   - Start date: September 2014.
   - End date: August 2015.
   - Institution: Stockholm University.
   - Country: Sweden.
   - Subject: Organic chemistry, organometallic chemistry.

3. Qualification: Bachelor in Chemistry.
   - Start date: September 2009.
   - End date: July 2014.
   - Institution: Autonomoun University of Madrid.
   - Country: Spain.
   - Subject: Basic chemistry.

Additional information

Publications

1. **Palladium-Catalyzed Iodofluorination of Alkenes Using Fluoro-Iodoxole Reagent**
   Nadia O. Ilchenko, Miguel A. Corteś, and Kalḿań J. Szabo´
   ACS Catal. 2016, 6, 447−450

2. **Efficient DBU accelerated synthesis of 18F-labelled trifluoroacetamides**
   Antonio Bermejo Gomez, Miguel A. Cortes Gonzalez, Marvin Lübcke, Magnus J. Johansson, Christer Halldin, Kálmán J. Szabo, and Magnus Schou
   Chem. Commun., 2016, 52, 13963

3. **Synthesis of trifluoromethyl moieties by late-stage copper (I) mediated nucleophilic fluorination**
   Antonio Bermejo Gómez, Miguel Angel Cortes, Marvin Lübcke, Kálmán J Szabó
   J. Fluorine Chem. 2017, 194, 51-57

4. **[18F]Fluoro-benziodoxole: a no-carrier-added electrophilic fluorinating reagent. Rapid, simple radiosynthesis, purification and application for fluorine-18 labelling**
   Miguel A. Corteś Gonzaĺez, Patrik Nordeman, Antonio Bermejo Goḿez, Denise N. Meyer, Gunnar Antoni, Magnus Schou and Kalḿań J. Szabo.´

Chem. Commun., 2018,54, 4286-4289

5. **Rhodium-mediated 18F-oxyfluorination of diazoketones using a fluorine-18-containing hypervalent iodine reagent**
   Miguel A. Cortés González, Xingguo Jiang, Patrik Nordeman, Gunnar Antoni, Kálmán J. Szabó
   Chem. Commun., 2019,55, 13358-13361

6. **Trifluoromethylthiolation, Trifluoromethylation, and Arylation reactions of Difluoro Entol Silyl Ethers**
   XingguoJiang, DeniseMeyer, DominikBaran, Miguel A. Cortés González,and Kálmán J. Szabó
   J. Org. Chem. 2020, 85, 13, 8311–8319

7. **Base-catalysed 18F-labelling of trifluoromethyl ketones. Application to the synthesis of 18F-labelled neutrophil elastase inhibitors**
   Denise N. Meyer, Miguel A. Cortes Gonzalez, Xingguo Jiang, Linus Johansson-Holm, Monireh Pourghasemi Lati, Mathias Elgland, Patrik Nordeman, Gunnar Antoni, and Kálmán J. Szabó
   Chem. Commun., 2021,57, 8476-8479

8. **Simplified and accessible [18F]F-AraG synthesis procedure for preclinical PET**
   Antonia A. Högnäsbacka, Miguel A. Cortés González, Christer Halldin, Magnus Schou
   Label Compd Radiopharm. 2022;65:288–291

9. **Discovery of AZD4747, a Potent and Selective Inhibitor of Mutant GTPase KRASG12C with Demonstrable CNS Penetration**
   Jason G. Kettle,* Sharan K. Bagal, Derek Barratt, Michael S. Bodnarchuk, Scott Boyd, Erin Braybrooke, Jason Breed, Doyle J. Cassar, Sabina Cosulich, Michael Davies, Nichola L. Davies, Chao Deng, Andrew Eatherton, Laura Evans, Lyman J. Feron, Shaun Fillery, Emma S. Gleave, Frederick W. Goldberg, Miguel A. Cortes Gonzalez, Carine Guerot, Afreen Haider, Stephanie Harlfinger, Rachel Howells, Anne Jackson, Peter Johnström, Paul D. Kemmitt, Alex Koers, Mikhail Kondrashov, Gillian M. Lamont, Scott Lamont, Hilary J. Lewis, Libin Liu, Megan Mylrea, Samuel Nash, Michael J. Niedbala, Alison Peter, Christopher Phillips, Kurt Pike, Piotr Raubo, Graeme R. Robb, Sarah Ross, Matthew G. Sanders, Magnus Schou, Iain Simpson, and Oliver Steward
   J. Med. Chem. 2023, 66, 9147−9160

10. **Validation of a good manufacturing practice procedure for the production of [11C]AZD4747, a CNS penetrant KRASG12c inhibitor**
    Miguel A. Cortés González, Antonia A. Högnäsbacka, Christer Halldin, Magnus Schou
    J Label Compd Radiopharm. 2024;67:245–249.

11. **Preclinical Characterization of AZD9574, a Blood–Brain Barrier Penetrant Inhibitor of PARP1**
    Anna D. Staniszewska; Domenic Pilger; Sonja J. Gill; Kunzah Jamal; Natacha Bohin; Sofia Guzzetti; Jacob Gordon; Gregory Hamm; Gill Mundin; Giuditta Illuzzi; Andy Pike; Lisa McWilliams; Gareth Maglennon; Jonathan Rose; Glen Hawthorne; Miguel Cortes Gonzalez; Christer Halldin; Peter Johnström; Magnus Schou; Susan E. Critchlow; Stephen Fawell; Jeffrey W. Johannes; Elisabetta Leo; Barry R. Davies; Sabina Cosulich; Jann N. Sarkaria; Mark J. O'Connor; Petra Hamerlik
    Clin Cancer Res (2024) 30 (7): 1338–1351.

12. **Identification and In Vitro and In Vivo Characterization of KAC-50.1 as a Potential α-Synuclein PET Radioligand**
    Dinahlee Saturnino Guarino,* Patricia Miranda Azpiazu, Dan Sunnemark, Charles S. Elmore, Jonas Bergare, Markus Artelsmair, Gunnar Nordvall, Anton Forsberg Moreń, Zhisheng Jia, Miguel Cortes-Gonzalez, Robert H. Mach, Kyle C. Wilcox, Sjoerd Finnema, Magnus Schou, and Andrea Varrone
    ACS Chem. Neurosci. 2024, 15, 4210−4219

13. **Highly Optimized CNS Penetrant Inhibitors of EGFR Exon20 Insertion Mutations**
    William McCoull,* Clare Thomson,* Erin Braybrooke, Christina Chan, Nicola Colclough, Miguel A. Cortes Gonzalez, Sabina Cosulich, Nichola L. Davies, Nicolas Floc'h, Ryan Greenwood, David Hargreaves, Peng Huang, Thomas A. Hunt, Tony Johnson, Peter Johnström, Jason G. Kettle, Mikhail Kondrashov, Demetrios H. Kostomiris, Songlei Li, Andrew Lister, Scott Martin, Darren McKerrecher, Neville McLean, J. Willem M. Nissink, Jonathan P. Orme, Paige Orwig, Martin J. Packer, Stuart Pearson, Lina Qin, Catarina Felisberto-Rodrigues, Adriana Savoca, Magnus Schou, Stephen Stokes, Aisha M. Swaih, Sara Talbot, Michael J. Tucker, Richard A. Ward, Emma Wadforth, Chunli Wang, Joanne Wilson, and Yawen Yang
    J. Med. Chem. 2025, 68, 3700−3748

14. **Brain exposure of the MET inhibitor savolitinib in non-human primates – a PET study**
    Peter Johnström, Zsolt Cselényi, Kowser Miah, Aurelija Jucaite Graeme Scarfe, Miguel A. Cortés González, Lars Farde, Christer Halldin· Karthick Vishwanathan, Magnus Schou
    The Journal of Pharmacology and Experimental Therapeutics, Volume 0, Issue 0, 10363

15. **PET imaging of mitochondrial complex-I in the adenine-induced tubulointerstitial nephropathy mouse model using [18F]BCPP-BF**
    Kenneth Dahl, Peter Johnström, Miklós Toth, Vasco C. Sousa, Charlotte Ericsson, Maria Strömstedt, Tord Inghardt, Miguel A. Cortés González, Anna Reznichenko, Aurelija Jucaite, Zsolt Cselényi, Robert Unwin, Hiroyuki Ohba, Christer Halldin, Benjamin Challis, Hideo Tsukada & Magnus Schou
    JNMMI Radiopharmacy and Chemistry (2025) 10:66

16. **Subtype selective PET imaging of PARP1 binding in non-human primates, healthy volunteers and patients with glioblastoma using [^{11}C]AZ14193391**
    William McCoull,* Clare Thomson,* Erin Braybrooke, Christina Chan, Nicola Colclough, Miguel A. Cortes Gonzalez, Sabina Cosulich, Nichola L. Davies, Nicolas Floc'h, Ryan Greenwood, David Hargreaves, Peng Huang, Thomas A. Hunt, Tony Johnson, Peter Johnström, Jason G. Kettle, Mikhail Kondrashov, Demetrios H. Kostomiris, Songlei Li, Andrew Lister, Scott Martin, Darren McKerrecher, Neville McLean, J. Willem M. Nissink, Jonathan P. Orme, Paige Orwig, Martin J. Packer, Stuart Pearson, Lina Qin, Catarina Felisberto-Rodrigues, Adriana Savoca, Magnus Schou, Stephen Stokes, Aisha M. Swaih, Sara Talbot, Michael J. Tucker, Richard A. Ward, Emma Wadforth, Chunli Wang, Joanne Wilson, and Yawen Yang
    Neuro-Oncology, 2025;, noaf290

Projects

Memberships

Other Relevant Information