Andrei William Konradi, PhD

Curriculum Vitae

CONTACT INFORMATION

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SUMMARY

Principal of a consulting practice that virtualizes medicinal chemistry for start-up drug discovery companies

Conceived compound classes that include seven drug candidates that have been tested in humans

Virtualized medicinal chemistry, in vitro metabolism, and pharmacokinetics for three start-up companies, outsourcing all laboratory activities

Experienced with peripheral and CNS drug targets, including proteases, kinases, GPCRs, ion channels, integrins, ligases, and transcription factors

Experienced with autoimmune, neurodegenerative, antibacterial, and cancer indications

Previously led a chemistry department and drug discovery projects at a medium-sized bio-pharmaceutical company; supervised 25 internal FTEs

Author / inventor on 38 publications, 61 US patents, and 16 pending or abandoned patent applications

EMPLOYMENT HISTORY

KONRADI MOLECULAR, 2013 - Present

Principal

Delivered a bacterial protease inhibitor, first dosed in humans in 2018, in a Phase I clinical trial for Alzheimer's disease, sponsored by Cortexyme

Delivered a transcription factor inhibitor, now in preclinical development, for an anticancer start-up company

Virtualized medicinal chemistry, in vitro metabolism, and pharmacokinetics for three start-up companies, outsourcing all laboratory activities

Advised six companies regarding existing medicinal chemistry projects

Contributed to preparing fourteen patent applications

ELAN PHARMACEUTICALS / ATHENA NEUROSCIENCES, 1994-2012

Senior Director of Medicinal Chemistry, Aug. 2005 – Nov. 2012

Supervised 25 chemists (12 PhDs) internally, and 12 chemists (2 PhDs) at a CRO

Responsible for medicinal chemistry innovation for seven projects

Delivered a Gamma secretase inhibitor back-up development compound for Alzheimer's disease, first dosed in humans in 2010

Delivered a Gamma secretase inhibitor primary development compound for Alzheimer's disease, first dosed in humans in 2008

Delivered *in vivo* proof of concept candidate compounds for three projects: alpha-4-beta-7 integrin inhibitors for Crohn's disease, Jun kinase 3 (JNK3) inhibitors for neurodegeneration, and Polo-like kinase 2 (PLK2) inhibitors for Parkinson's disease

Implemented FTE outsourcing with Shanghai ChemPartner, and managed this collaboration for five years

Created the annual budget for a 25-person chemistry department, collaborating with my supervisor and Finance

Implemented Symyx E-notebook, Symyx Isentris, and internally developed electronic systems for compound registration and reagent container tracking, collaborating with Research Informatics and Information Technology

Selected 100,000 commercially available compounds to augment a screening collection, using molecular property calculation and diversity analysis, collaborating with Computational Chemistry, High Throughput Screening, and external experts

Project leader for the alpha-4-beta-7 integrin inhibitors for Crohn's disease program, and for the collaborations with NIAID and the Population Council investigating alpha-4-beta-7 integrin inhibitors as suppressors of HIV infectivity

Co-led the Ligand Design Forum, analyzing protein / small molecule co-crystal structures, *in vitro* potency and selectivity data, and *in silico* MM-PBSA calculated binding energies

Coordinated evaluation of potential new Parkinson's disease targets, focusing on definition and tracking of deliverables from multiple research disciplines

Identified novel Beta Secretase inhibiting fragments using a high sensitivity Alphascreen assay, followed by high throughput protein crystallography, and then advanced selected fragments into hit-to-lead medicinal chemistry

Contributed to preparing more than 12 PCT patent applications

Senior Scientist in Medicinal Chemistry, Mar. 2002 – Aug. 2005

Supervised 5 Ph.D. and 6 non-Ph.D. chemists

Medicinal chemistry group leader for three projects

Delivered an alpha-4-beta-1 integrin inhibitor development compound for multiple sclerosis, first dosed in humans in 2007

Delivered an alpha-4-beta-7 integrin inhibitor development compound for Crohn's disease, first dosed in humans in 2006

Delivered an alpha-4-beta-1 integrin inhibitor development compound for rheumatoid arthritis, first dosed in humans in 2004

Delivered a potent, orally available, and CNS-penetrating Bradykinin receptor 1 antagonist, advanced into pre-clinical toxicology

Personally conceived a genus of Gamma secretase inhibitors including the development compounds for Alzheimer's disease, described in a section above

Contributed to preparing 11 PCT and three US patent applications

Principal Scientist in Medicinal Chemistry, Mar. 1999 – Mar. 2002

Supervised two Ph.D and two non-Ph.D. chemists

Medicinal chemistry group leader and lab worker for an alpha-4-beta-1 integrin inhibitors for rheumatoid arthritis and asthma project, partnered with Wyeth

Personally conceived two genera of alpha-4-beta-1 and alpha-4-beta-7 integrin inhibitors including the development compounds for multiple sclerosis, Crohn's disease, and rheumatoid arthritis, described in a section above

Contributed to preparing nine PCT and two US patent applications

Scientist in Medicinal Chemistry, Mar. 1996 – Mar. 1999

Supervised one non-Ph.D. chemist

Medicinal chemistry innovator and lab worker for an alpha-4-beta-1 integrin inhibitors for multiple sclerosis and asthma project, partnered with American Home Products

Personally conceived a genus of alpha-4-beta-1 integrin inhibitors including a compound taken into development for asthma by American Home Products, first dosed in humans in 1999

Contributed to preparing six PCT patent applications

Associate Scientist in Medicinal Chemistry, Mar. 1994 – Mar. 1996

Medicinal chemistry innovator and lab worker for an alpha-4-beta-1 integrin inhibitors for multiple sclerosis and asthma project, partnered with American Home Products

EDUCATION

1992-1994	Postdoctoral fellow at The Scripps Research Institute, bioorganic chemistry Research Adviser: Richard A. Lerner
1991	Ph.D. University of California at Berkeley, organic chemistry Research Adviser: Steven F. Pedersen
1987	S.B. Massachusetts Institute of Technology, chemistry Research Adviser: K. Barry Sharpless

PUBLICATIONS

38. Label free fragment screening using surface plasmon resonance as a tool for fragment finding – analyzing Parkin, a difficult CNS target. Regnstrom, Karin; Yan, Jiangli; Nguyen, Lan; Callaway, Kari; Yang, Yanli; Diep, Linnea; Xing, Weimei; Adhikari, Anirban; Beroza, Paul; Hom, Roy K.; Riley, Brigit; Rudolph, Don; Jobling, Michael F.; Baker, Jeanne; Johnston, Jennifer; **Konradi, Andrei**; Bova, Michael P.; Artis, Dean R. PLoS ONE (2013), 8(7), e66879.

37. Design and synthesis of hydroxyethylamine (HEA) BACE-1 inhibitors: Prime side chromane-containing inhibitors. Ng, Raymond A.; Sun, Minghua; Bowers, Simeon; Hom, Roy K.; Probst, Gary D.; John, Varghese; Fang, Lawrence Y.; Maillard, Michel; Gailunas, Andrea; Brogley, Louis; Neitz, Jeffrey; Tung, Jay S.; Pleiss, Michael A.; **Konradi, Andrei W.**; Sham, Hing L.; Dappen, Michael S.; Adler, Mark; Yao, Nanhua; Zmolek, Wes; Nakamura, David; Quinn, Kevin P.; Sauer, John-Michael; Bova, Michael P.; Ruslim, Lany; Artis, Dean R.; Yednock, Ted A. Bioorganic & Medicinal Chemistry Letters (2013), 23(16), 4674.

36. Selective and brain-permeable Polo-like Kinase-2 (Plk-2) inhibitors that reduce α-Synuclein phosphorylation in rat brain. Aubele, Danielle L.; Hom, Roy K.; Adler, Marc; Galemmo, Robert A., Jr.; Bowers, Simeon; Truong, Anh P.; Pan, Hu; Beroza, Paul; Neitz, R. Jeffrey; Yao, Nanhua; Lin, May; Tonn, George; Zhang, Heather; Bova,

Michael P.; Ren, Zhao; Tam, Danny; Ruslim, Lany; Baker, Jeanne; Diep, Linnea; Fitzgerald, Kent; Hoffman, Jennifer; Motter, Ruth; Fauss, Donald; Tanaka, Pearl; Dappen, Michael; Jagodzinski, Jacek; Chan, Wayman; **Konradi, Andrei W.**; et al. ChemMedChem (2013), 8(8), 1295.

35. Discovery of (R)-4-Cyclopropyl-7,8-difluoro-5-(4-(trifluoromethyl)phenylsulfonyl)-4,5-dihydro-1H-pyrazolo[4,3-c]quinoline (ELND006) and (R)-4-Cyclopropyl-8-fluoro-5-(6-(trifluoromethyl)pyridin-3-ylsulfonyl)-4,5-dihydro-2H-pyrazolo[4,3-c]quinoline (ELND007): metabolically stable γ-Secretase inhibitors that selectively inhibit the production of Amyloid-β over Notch. Probst, Gary; Aubele, Danielle L.; Bowers, Simeon; Dressen, Darren; Garofalo, Albert W.; Hom, Roy K.; **Konradi, Andrei W.**; Marugg, Jennifer L.; Mattson, Matthew N.; Neitzel, Martin L.; et al. Journal of Medicinal Chemistry (2013), 56(13), 5261.

34. Orally available and efficacious $\alpha4\beta1/\alpha4\beta7$ integrin inhibitors. Xu, Ying-zi; Smith, Jenifer L.; Semko, Christopher M.; Rossiter, Kassandra I.; Fukuda, Juri Y.; Dappen, Michael S.; Quincy, David A.; **Konradi, Andrei W.**; et al. Bioorganic & Medicinal Chemistry Letters (2013), 23(15), 4370.

33. PEG conjugates of potent $\alpha4$ integrin inhibitors, maintaining sustained levels and bioactivity in vivo, following subcutaneous administration. Smith, Jenifer L.; Rossiter, Kassandra I.; Semko, Christopher M.; Xu, Ying-zi; Quincy, David A.; Jagodzinski, Jacek; Dappen, Michael S.; **Konradi, Andrei W.**; et al. Bioorganic & Medicinal Chemistry Letters (2013), 23(14), 4117.

32. Arylsulfonamide pyrimidines as VLA-4 antagonists. Xu, Ying-zi; **Konradi, Andrei W.**; Bard, F.; Dappen, M.; Dofiles, L.; Dreyer, M.; Gallager, I.; Garrido, C.; Krimm, M.; Liao, Z.; Messersmith, E.; Mutter, L.; Pleiss, M. A.; Samant, B.; Semko, C. M.; Smith, J.; Stappenbeck, F.; Stupi, B.; Vandervert, C.; Welch, B.; Wipke, B.; Yednock, T. Bioorganic & Medicinal Chemistry Letters (2013), 23(10), 3070.

31. Design and synthesis of highly selective, orally active Polo-like kinase-2 (PLK2) inhibitors. Bowers, Simeon; Truong, Anh P.; Ye, Michael; Aubele, Danielle L.; Sealy, Jennifer M; Neitz, Jeffrey R.; Hom, Roy K.; Chan, Wayman; Dappen, Michael S.; Galemmo, Robert A. Jr.; **Konradi, Andrei W**.; Sham, Hing L.; et al. Bioorganic & Medicinal Chemistry Letters (2013), 23(9), 2743.

30. Structure-based design of novel dihydroisoquinoline BACE-1 inhibitors that do not engage the catalytic aspartates. Bowers, Simeon; Xu, Ying-zi; Yuan, Shendong; Probst, Gary D.; Hom, Roy K.; Chan, Wayman; **Konradi, Andrei W**.; Sham, Hing L.; et al. Bioorganic & Medicinal Chemistry Letters (2013), 23(7), 2181.

29. Discovery of novel [3.2.1] benzo fused bicyclic sulfonamide-pyrazoles as potent, selective, and efficacious γ-secretase inhibitors. Xiaogcong, M. Ye; **Konradi, Andrei W.**; Sun, Minghua; Yuan, Shendong; Aubele, Danielle L; Dappen, Michael; Dressen, Darren; Garofalo, Albert W.; Jagodzinkski, Jacek J.; Latimer, Lee; Probst, Gary D.; Sham, Hing L.; et al. Bioorganic & Medicinal Chemistry Letters (2013), 23(4), 996.

28. Synthesis of novel tetrahydro-1H-pyrazolo[4,3-c]pyridines via intramolecular nitrilimine cycloadditon. Garofalo, Albert W.; Jagodzinski, Jacek J.; **Konradi, Andrei W**.; Ng, Raymond A.; Semko, Christopher M.; Sham, Hing L.; Sun, Minghua; Ye, Xiaocong M. Chemical and Pharmaceutical Bulletin (2012), 60(8), 1063.

27. Design, synthesis and structure-activity relationship of novel [3.3.1] bicyclic sulfonamide-pyrazoles as potent γ-secretase inhibitors. Aubele, Danielle L.; Truong, Anh P.; Dressen, Darren B.; Probst, Gary D.; Bowers, Simeon; Mattson, Matthew N.; Semko, Chris M.; Sun, Minghua; Garofalo, Albert W.; **Konradi, Andrei W**.; et al. Bioorganic & Medicinal Chemistry Letters (2011), 21(19), 5791.

26. Design and synthesis of brain penetrant selective JNK inhibitors with improved pharmacokinetic properties for the prevention of neurodegeneration. Bowers, Simeon; Truong, Anh P.; Jeffrey Neitz, R.; Hom, Roy K.; Sealy, Jennifer M.; Probst, Gary D.; Quincy, David; Peterson, Brian; Chan, Wayman; Galemmo, Robert A., Jr.; **Konradi, Andrei W.**; et al. Bioorganic & Medicinal Chemistry Letters (2011), 21(18), 5521.

25. Highly selective c-Jun N-terminal kinase (JNK) 3 inhibitors with in vitro CNS-like pharmacokinetic properties II. Central core replacement. Neitz, R. Jeffrey; **Konradi, Andrei W.**; Sham, Hing L.; Zmolek, Wes; Wong, Karina; Qin, Ann; Lorentzen, Colin; Nakamura, David; Quinn, Kevin P.; Sauer, John-Michael; et al. Bioorganic & Medicinal Chemistry Letters (2011), 21(12), 3726.

24. Amino-caprolactam γ-secretase inhibitors showing potential for the treatment of Alzheimer's disease. Neitzel, Martin L.; Aubele, Danielle L.; Marugg, Jennifer L.; Jagodzinski, Jacek J.; **Konradi, Andrei W.**; Pleiss, Michael A.; Szoke, Balazs; Zmolek, Wes; Goldbach, Erich; Quinn, Kevin P.; et al. Bioorganic & Medicinal Chemistry Letters (2011), 21(12), 3715.

23. A facile synthesis of multigram quantity of ethyl 3-ethylmorpholine-3-carboxylate. Jagodzinski, Jacek J.; Aubele, Danielle L.; Quincy, David A.; Dappen, Michael S.; Latimer, Lee H.; Hom, Roy K.; Galemmo, Robert A., Jr.; **Konradi, Andrei W.**; Sham, Hing L. Tetrahedron Letters (2011), 52(19), 2471.

22. Design and synthesis of a novel, orally active, brain penetrant, tri-substituted thiophene based JNK inhibitor. Bowers, Simeon; Truong, Anh P.; Neitz, R. Jeffrey; Neitzel, Martin; Probst, Gary D.; Hom, Roy K.; Peterson, Brian; Galemmo, Robert A., Jr.; **Konradi, Andrei W.**; Sham, Hing L.; et al. Bioorganic & Medicinal Chemistry Letters (2011), 21(6), 1838.

21. Discovery of a potent, orally bioavailable pyrimidine VLA-4 antagonist effective in a sheep asthma model. Semko, Christopher M.; Chen, Linda; Dressen, Darren B.; Dreyer, Mark L.; Dunn, Whitney; Farouz, Francine S.; Freedman, Stephen B.; Holsztynska, Elizabeth J.; Jefferies, Michael; **Konradi, Andrei W.**; et al. Bioorganic & Medicinal Chemistry Letters (2011), 21(6), 1741.

20. Amyloid precursor protein selective gamma-secretase inhibitors for treatment of Alzheimer's disease. Basi, Guriqbal S.; Hemphill, Susanna; Brigham, Elizabeth F.; Liao, Anna; Aubele, Danielle L.; Baker, Jeanne; Barbour, Robin; Bova, Michael; Chen, Xiao-Hua; Dappen, Michael S.; **Konradi, Andrei W.**; et al. Alzheimer's Research & Therapy (2010), 2(6), 36.

19. Highly selective c-Jun N-terminal kinase (JNK) 2 and 3 inhibitors with in vitro CNS-like pharmacokinetic properties prevent neurodegeneration. Probst, Gary D.; Bowers, Simeon; Sealy, Jennifer M.; Truong, Anh P.; Hom, Roy K.; Galemmo, Robert A., Jr.; **Konradi, Andrei W.**; Sham, Hing L.; et al. Bioorganic and Medicinal Chemistry Letters (2011), 21(1), 315.

18. Design and synthesis of disubstituted thiophene and thiazole based inhibitors of JNK. Hom, Roy K.; Bowers, Simeon; Sealy, Jennifer M.; Truong, Anh P.; Probst, Gary D.; Neitzel, Martin L.; Neitz, R. Jeffrey; Fang, Larry; Brogley, Louis; Wu, Jing; **Konradi, Andrei W.**; et al. Bioorganic & Medicinal Chemistry Letters (2010), 20(24), 7303.

17. Design of an orally efficacious hydroxyethylamine (HEA) BACE-1 inhibitor efficacious in a preclinical animal model. Truong, Anh P.; Toth, Gergley; Probst, Gary D.; Sealy, Jennifer M.; Bowers, Simeon; Wone, David W. G.; Dressen, Darren; Hom, Roy K.; **Konradi, Andrei W.**; Sham, Hing L.; et al. Bioorganic & Medicinal Chemistry Letters (2010), 20(21), 6231.

16. Design and synthesis of hydroxyethylamine (HEA) BACE-1 inhibitors: Structure-activity relationship of the aryl region. Probst, Gary D.; Bowers, Simeon; Sealy, Jennifer M.; Stupi, Brian; Dressen, Darren; Jagodzinska, Barbara M.; Aquino, Jose; Gailunas, Andrea; Truong, Anh P.; Tso, Luke; **Konradi, Andrei W.**; et al. Bioorganic & Medicinal Chemistry Letters (2010), 20(20), 6034.

15. Improving the permeability of the hydroxyethylamine BACE-1 inhibitors: Structure-activity relationship of P2' substituents. Truong, Anh P.; Probst, Gary D.; Aquino, Jose; Fang, Larry; Brogley, Louis; Sealy, Jennifer M.; Hom, Roy K.; Tucker, John A.; John, Varghese; Tung, Jay S.; **Konradi, Andrei W.**; et al. Bioorganic & Medicinal Chemistry Letters (2010), 20(16), 4789.

14. Discovery of a novel sulfonamide-pyrazolopiperidine series as potent and efficacious γ-secretase inhibitors (Part II). Ye, Xiaocong M.; **Konradi, Andrei W.**; Smith, Jenifer; Aubele, Danielle L.; Garofalo, Albert W.; Marugg, Jennifer; Neitzel, Marty L.; Semko, Chris M.; Sham, Hing L.; Sun, Minghua; et al. Bioorganic & Medicinal Chemistry Letters (2010), 20(12), 3502.

13. Discovery of a novel sulfonamide-pyrazolopiperidine series as potent and efficacious γ-secretase inhibitors. Ye, Xiaocong M.; **Konradi, Andrei W.**; Smith, Jenifer; Xu, Ying-Zi; Dressen, Darren; Garofalo, Albert W.; Marugg, Jennifer; Sham, Hing L.; Truong, Anh P.; Jagodzinski, Jacek; et al. Bioorganic & Medicinal Chemistry Letters (2010), 20(7), 2195.

12. Discovery of sulfonamide-pyrazole γ-secretase inhibitors. Mattson, Matthew N.; Neitzel, Martin L.; Quincy, David A.; Semko, Christopher M.; Garofalo, Albert W.; Keim, Pamela S.; **Konradi, Andrei W.**; Pleiss, Michael A.; Sham, Hing L.; Brigham, Elizabeth F.; et al. Bioorganic & Medicinal Chemistry Letters (2010), 20(7), 2148.

11. N-Bridged bicyclic sulfonamides as inhibitors of gamma-secretase. Bowers, Simeon; Probst, Gary D.; Truong, Anh P.; Hom, Roy K.; **Konradi, Andrei W.**; Sham, Hing L.; Garofalo, Albert W.; Wong, Karina; Goldbach, Erich; Quinn, Kevin P.; et al. Bioorganic & Medicinal Chemistry Letters (2009), 19(24), 6952.

10. Design and synthesis of cell potent BACE-1 inhibitors: Structure-activity relationship of P1' substituents. Sealy, Jennifer M.; Truong, Anh P.; Tso, Luke; Probst, Gary D.; Aquino, Jose; Hom, Roy K.; Jagodzinska, Barbara M.; Dressen, Darren; Wone, David W. G.; Brogley, Louis; **Konradi, Andrei W.**; et al. Bioorganic & Medicinal Chemistry Letters (2009), 19(22), 6386.

9. Design, synthesis, and structure-activity relationship of novel orally efficacious pyrazole/ sulfonamide based dihydroquinoline gamma-secretase inhibitors. Truong, Anh P.; Aubele, Danielle L.; Probst, Gary D.; Neitzel, Martin L.; Semko, Chris M.; Bowers, Simeon; Dressen, Darren; Hom, Roy K.; **Konradi, Andrei W.**; Sham, Hing L.; et al. Bioorganic & Medicinal Chemistry Letters (2009), 19(17), 4920.

8. The identification and optimization of orally efficacious, small molecule VLA-4 antagonists. Huryn, Donna M.; **Konradi, Andrei W.**; Ashwell, Susan; Freedman, Stephen B.; Lombardo, Louis J.; Pleiss, Michael A.; Thorsett, Eugene D.; Yednock, Ted; Kennedy, Jeffrey D. Current Topics in Medicinal Chemistry (Sharjah, United Arab Emirates) (2004), 4(14), 1473.

7. Synthesis, characterization and evaluation of prodrugs of VLA-4 antagonists. Huryn, Donna M.; Ashwell, Susan; Baudy, Reinhardt; Dressen, Darren B.; Gallaway, William; Grant, Francine S.; **Konradi, Andrei**; Ley, Robert W.; Petusky, Susan; Pleiss, Michael A.; et al. Bioorganic & Medicinal Chemistry Letters (2004), 14(7), 1651.

6. Synthesis of 1,4-Diaminocyclitols From L-Serine Methyl Ester. Kang, Min; Park, Jeonghan; **Konradi, Andrei W.**; Pedersen, Steven F. Journal of Organic Chemistry (1996), 61(16), 5528.

5. Pinacol Cross Coupling of 2-[N-(Alkoxycarbonyl)amino] Aldehydes and Aliphatic Aldehydes by [V2Cl3(THF)6]2[Zn2Cl6]. Synthesis of syn,syn-3-[N-(Alkoxycarbonyl)amino] 1,2-Diols. **Konradi, Andrei W.**; Kemp, Scott J.; Pedersen, Steven F. Journal of the American Chemical Society (1994), 116(4), 1316.

4. Pinacol homocoupling of (S)-2-[N-(benzyloxycarbonyl)amino] aldehydes by [V2Cl3(THF)6]2[Zn2Cl6]. Synthesis of C2-symmetric (1S,2R,3R,4S)-1,4-diamino 2,3-diols. **Konradi, Andrei W.**; Pedersen, Steven F. Journal of Organic Chemistry (1992), 57(1), 28.

3. Stereoselective synthesis of 3-amino 1,2-diols via intermolecular pinacol cross-coupling of α-[(alkoxycarbonyl)amino] aldehydes with aliphatic aldehydes. Short asymmetric syntheses of two 2,3,6-trideoxy-3-amino sugars. **Konradi, Andrei W.**; Pedersen, Steven F. Journal of Organic Chemistry (1990), 55(15), 4506.

2. Intermolecular pinacol cross coupling of aryl aldehydes or their dimethyl acetals with non-aryl aldehydes. Takahara, Patricia M.; Freudenberger, John H.; **Konradi, Andrei W.**; Pedersen, Steven F. Tetrahedron Letters (1989), 30(51), 7177.

1. Intermolecular pinacol cross coupling of electronically similar aldehydes. An efficient and stereoselective synthesis of 1,2-diols employing a practical vanadium(II) reagent. Freudenberger, John H.; **Konradi, Andrei W.**; Pedersen, Steven F. Journal of the American Chemical Society (1989), 111(20), 8014.

POSTERS

7. Identification of potent, selective VLA-4 antagonists as chemical tools to answer biological questions. Huryn, Donna M.; Ashwell, Susan; Baudy, Reinhardt B.; Dressen, Darren B.; Freedman, Stephen B.; Grant, Francine S.; Kennedy, Jeffrey; **Konradi, Andrei W.**; Kreft, Anthony; Lombardo, Louis J.; et al. Abstracts of Papers, 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, 2004 (2004), MEDI-160.

6. Tos-Pro-Phe-OH-based VLA-4 antagonists: p-Amino Phe variants containing urea and amino groups. Ashwell, Susan; Banker, Annette L.; Bicksler, James J.; Dressen, Darren B.; Cannon, Cathy; Giberson, John; Grant, Francine F.; **Konradi, Andrei W.**; Leeson, Paul D.; Lombardo, Louis J.; et al. Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United States, August 20-24, 2000 (2000), MEDI-138.

5. VLA-4/VCAM-1 inhibitors: Dipeptide p-amino-L-phenylalanine amides. Sarantakis, Dimitri; Bicksler, James J.; Cannon, Cathy; Dressen, Darren B.; Giberson, John; Grant, Francine F.; **Konradi, Andrei W.**; Kreft, Anthony; Leeson, Paul D.; Lombardo, Louis J.; et al. Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United States, August 20-24, 2000 (2000), MEDI-137.

4. Acylated p-amino-L-phenylalanines with VLA-4/VCAM-1 inhibitory activity. Sarantakis, Dimitri; Baudy, Reinhardt B.; Bicksler, James J.; Cannon, Cathy; Dressen, Darren B.; Giberson, John; Grant, Francine F.; **Konradi, Andrei W.**; Kreft, Anthony; Kubrak, Dennis; et al. Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United States, August 20-24, 2000 (2000), MEDI-136.

3. CT747: A very potent and highly selective small molecule inhibitor of VLA4 that is metabolically stable. Dappen, Michael S.; Dressen, Darren B.; Grant, Francine S.; **Konradi, Andrei W.**; Pleiss, Michael A.; Semko, Christopher M.; Thorsett, Eugene D.; Freedman, Stephen B.; Holsztynska, Ela J.; Quinn, Kevin P.; et al. Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United States, August 20-24, 2000 (2000), MEDI-135.

2. CT737: A potent and highly selective non C-terminal L-phenylalanine inhibitor of VLA4. Thorsett, Eugene D.; Dappen, Michael S.; Dressen, Darren B.; Ellingboe, John W.; Grant, Francine S.; Jacobson, Marcy; Kincaid, Scott L.; **Konradi, Andrei W.**; Kreft, Anthony; Lombardo, Louis J.; et al. Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United States, August 20-24, 2000 (2000), MEDI-134.

1. Development of CT757: A potent and highly selective small molecule inhibitor of VLA4. Semko, Christopher M.; Dressen, Darren B.; Grant, Francine S.; **Konradi, Andrei W.**; Pleiss, Michael A.; Thorsett, Eugene D.; Freedman, Stephen B.; Holsztynska, Ela J.; Quinn, Kevin P.; Yednock, Ted. Abstracts of Papers, 220th ACS National Meeting, Washington, DC, United States, August 20-24, 2000 (2000), MEDI-133.

LECTURES

3. The Discovery of ELND006, an APP-selective Gamma Secretase Inhibitor. **Konradi, Andrei W.** CACO-PBS Mini-Symposium. October 22, 2012, Foster City, CA.

2. Discovery of ELND006, a Selective Gamma Secretase Inhibitor. Probst, Gary D.; **Konradi, Andrei W.**; Garofalo, Albert W.; Sauer, John-Michael, Basi, Guriqbal S.; Ness, Daniel K.; Yednock, Ted A.; Sham, Hing L. ACS Meeting. March 27, 2011, Anaheim, CA.

1. Redesign of Arylsulfonamide Gamma Secretase Inhibitors to Achieve Novelty and High *In Vivo* Activity. **Konradi, Andrei W.** Molecular Medicine Tri-Conference, Mastering Medicinal Chemistry Program. February 4, 2010, San Francisco, CA.

US PATENTS (ORIGINAL)

61. US 8367836. Pyridone antagonists of alpha-4 integrins. Xu, Ying-zi; Yuan, Shendong; Wone, David; **Konradi, Andrei**. Elan Pharmaceuticals. February 5, 2013.

60. US 8283358. N-sulfonamido polycyclic pyrazolyl compounds**. Konradi, Andrei W**.; Ye, Xioacong, M.; Bowers, Simeon; Garofalo, Albert W.; Aubele, Danielle L; Dressen, Darren; Ng, Raymond; Probst, Gary; Semko, Christopher M.; Sun, Minghua; Truong, Anh P.; Dappen, Michael S. Elan Pharmaceuticals. October 9, 2012.

59. US 8268935. Preparation of polymer conjugates of therapeutic, agricultural, and food additive compounds. **Konradi, Andrei W**; Smith, Jenifer L.; Dappen, Michael S.; Semko, Christopher M. Elan Pharmaceuticals. September 18, 2012.

58. US 8138272. Preparation of polymer conjugates of therapeutic, agricultural, and food additive compounds. **Konradi, Andrei W**; Smith, Jenifer L. Elan Pharmaceuticals. March 20, 2012.

57. US 8030328. Imidazolone phenylalanine derivatives. Stappenbeck, Frank; **Konradi, Andrei**; Jagodzinski, Jacek; Semko, Christopher M.; Xu, Ying-zi; Smith, Jenifer L.; Rossiter, Kassandra. Elan Pharmaceuticals. October 4, 2011.

56. US 7794700. Multimeric VLA-4 antagonists comprising polymer moieties. **Konradi, Andrei**; Pleiss, Michael A.; Semko, Christopher M.; Yednock, Theodore; Smith, Jenifer L. Elan Pharmaceuticals. September 14, 2010.

55. US 7732609. 5-arylsulfonyl-pyrazolopiperidines. Ye, Xiaocong Michael; Garofalo, Albert W.; Jagodzinski, Jacek; **Konradi, Andrei W**.; Semko, Christopher M.; Smith Jenifer L.; Xu, Ying-zi. Elan Pharmaceuticals. June 8, 2010.

54. US 7727996. Carbamate compounds, which inhibit leukocyte adhesion mediated by VLA-4. Semko, Christopher Michael; Xu, Ying-zi; Stappenbeck, Frank; Smith, Jenifer Lea; Rossiter, Kassandra Inez; Fukuda, Juri Y.; **Konradi, Andrei W.** Elan Pharmaceuticals and Wyeth. June 1, 2010.

53. US 7605166. Methods and compositions for treating rheumatoid arthritis. Yednock, Theodore A.; Freedman, Stephen B.; Lieberburg, Ivan; Pleiss, Michael A.; **Konradi, Andrei W.**; Shopp, George; Messersmith, Elizabeth. Elan Pharmaceuticals. October 20, 2009.

52. US 7595318. Polyethylene glycol conjugates of heterocycloalkyl carboxamido propanoic acids. **Konradi, Andrei**; Pleiss, Michael A.; Smith, Jenifer L.; Semko, Christopher M.; Vandevert, Chris. Elan Pharmaceuticals. September 29, 2009.

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