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Education

- 1980 Ph.D. Radiochemistry, University of Missouri, Columbia Missouri
Thesis: The Preparation and Characterization of Several Technetium Complexes with Tetraaza Macrocyclic Amine Ligands for Potential Radiopharmaceutical Use
- 1978 M.S. Radiochemistry, University of Missouri, Columbia, Missouri
Thesis: The Preparation and Stability of a Technetium-99m Complex with 5,7,7,12,14,14-Hexamethyl-1,4,8,11-Tetraazacyclo-Tetradeca-4,11-Diene.
- 1975 B.S. Chemistry, Wright State University, Dayton, Ohio

Experience

IsoTherapeutics Group, LLC

- 2006 – Co-Founder, Vice-President and Chief Scientific Officer

The Dow Chemical Company, Freeport, TX

- 1980 – 2006 Senior Scientist, Pharmaceuticals R&D, Specialties/New Businesses Global Business Unit
Involved in the development of new technology for Dow Chemical with the main emphasis on radiopharmaceuticals, radioanalytical, remediation of radioactive sites, chelation chemistry, and consumer products.

Publications & Presentations

K.A. Selting; J.C. Lattimer; A.R.Ketring; J. Bryan; D.Crump; J. Simon; R.K. Frank; C.J. Henry, "Hematologic Sparing of Samarium-153-DOTMP, a Novel Bone-Seeking Radiopharmaceutical Agent for the Treatment of Bone Tumors." Presented at American College of Veterinary Radiology 2011 Annual Scientific Meeting, Oct, 2011, Albuquerque, NM.

Jingjie Zhou, Mark Lenox, Theresa Fossum, Keith Frank, Jaime (Jim) Simon, Stan Stearns, Catherine Ruoff, Richard Wendt, Gamal Akabani, "Dosimetry of 90Y Liquid Brachytherapy in a Dog with Osteosarcoma Using PET/CT;" Journal Nuclear Med. 2011; 52 (Supplement 1):129

J. Simón, R. K. Frank, D. Crump, J. Rogers, S. Phillips, S. Ellebracht, W. Erwin, N. Ueno, R. Wendt, "Preclinical Evaluation of Sm-153-DOTMP as a Therapeutic Bone-Seeking Radiopharmaceutical," *Journal Nuclear Med.* 2011; 52 (Supplement 1):1751

Kim A. Selting; Jimmy C. Lattimer; Alan R. Ketrting; Druce K. Crump; Jaime (Jim) Simon; R. Keith Frank; Carolyn J. Henry; "Samarium-153-DOTMP treatment of spontaneously-occurring bone cancer in dogs as a proof-of-concept model," *Journal Nuclear Med.* 2011; 52 (Supplement 1):174

CJ Henry, JC Lattimer, KA Selting, M Loy, A Ketrting, S Axiak, CHM Souza, D Tate, RK Frank, J Simon, S Dodson, S Stearns, "Intralesional liquid brachytherapy in dogs with appendicular osteosarcoma," *Veterinary Cancer Society*, Austin, TX, Oct. 18, 2009.

Jim Simon, Stan Stearns, Kenneth McMillan, Max Loy, Keith Frank, "Liquid Brachytherapy," 55th Annual Meeting, The Society of Nuclear Medicine, New Orleans, LA, June 14-18, 2008.

Mohsin, Huma; Fitzsimmons, Jonathan; Shelton, Tiffani; Hoffman, Timothy J.; Cutler, Cathy S.; Lewis, Michael R.; Athey, Phillip S.; Gulyas, Gyongyi; Kiefer, Garry E.; Frank, R. Keith; Simon, Jaime; Lever, Susan Z.; Jurisson, Silvia S.; "Preparation and biological evaluation of ^{111}In -, ^{177}Lu - and ^{90}Y -labeled DOTA analogues conjugated to B72.3," *Nuclear Medicine and Biology*, 34, 493-502, 2007.

Mohsin, Huma; Jia, Fang; Sivaguru, Geethapriya; Hudson, Michael J.; Shelton, Tiffani D.; Hoffman, Timothy J.; Cutler, Cathy S.; Ketrting, Alan R.; Athey, Phillip S.; Simon, Jaime; Frank, R. Keith; Jurisson, Silvia S.; Lewis, Michael R. "Radiolanthanide-Labeled Monoclonal Antibody CC49 for Radioimmunotherapy of Cancer: Biological Comparison of DOTA Conjugates and ^{149}Pm , ^{166}Ho , and ^{177}Lu " *Bioconjugate Chemistry*, 17(2), 485-492, 2006.

Gulyas, Gyongyi; Adair, Christopher R.; Athey, Philip S.; Frank, R. Keith; Kiefer, Garry E.; McMillan, Kenneth; Simon, Jaime. "Metal chelates for diagnostic and therapeutic applications.", 228th ACS National Meeting, Philadelphia, PA, United States, August 22-26, 2004.

Embree, Mary F.; Sivaguru, Geethapriya; Mohsin, Huma; Bailey, Keith D.; Manson, Leonard H.; Jia, Fang; Frank, R. Keith; Simon, Jaime; Jurisson, Silvia S.; Cutler, Cathy S.; Ketring, Alan R.; Lewis, Michael R. "Production of Pm-149 and comparison to Ho-166 and Lu-177 for radioimmunotherapy." 38th Midwest Regional Meeting of the American Chemical Society, Columbia, MO, United States, November 5-7, 2003.

McDevitt, Michael R.; Ma, Dangshe; Simon, Jim; Frank, R. Keith; Scheinberg, David A. "Design and synthesis of 225Ac radioimmunopharmaceuticals." Applied Radiation and Isotopes , 57(6), 841-847, 2002.

McDevitt, Michael R.; Ma, Dangshe; Lai, Lawrence T.; Simon, Jim; Borchardt, Paul; Frank, R. Keith; Wu, Karen; Pellegrini, Virginia; Curcio, Michael J.; Miederer, Matthias; Bander, Neil H.; Scheinberg, David A. "Tumor therapy with targeted atomic nanogenerators" Science 294(5546), 1537-1540, Washington, DC, United States, 2001.

Kiefer, Garry E., Simon, J., McMillan, K., "Macrocyclic Chelates for Diagnostics and Therapy- Approaches to Architecture and Function. 52nd Southeast/56th Southwest Combined Regional Meeting of the American Chemical Society. New Orleans, Louisiana. Dec. 6-8, 2000.

Stubbs, J.B., Strickland, A.D., Frank, R.K., Simón, J., McMillan, K. and Williams, J.A: "Biodistribution and Dosimetry of an Aqueous Solution Containing Sodium 3-(¹²⁵I)iodo-4-hydroxybenzenesulfonate (Iotrex™) for Brachytherapy of Resected Malignant Brain Tumors," Cancer Biotherapy and Radiopharmaceuticals 15:645-656, 2000.

Kasi, L.P., Macey, D., Iman, S., Bayouth, J., Dimopoulos, M., Podoloff, D., Bhadkamkar, V., Garlich, J., McMillan, K., Simon, J., Champlin, R., "Ho-166 DOTMP: A New Agent for Bone Marrow Ablation," Journal of Nuclear Medicine, Volume 34, Number 5 (P) 33P, 1993.

Kasi, L.P., Macey, D.J., Bayouth, J.E., Garlich, J., McMillan, K. Simon, J., Dimopoulos, M., Podoloff, D., Champlin, R., "Pharmacokinetics of Holmium-166 DOTMP Used for Bone Marrow Ablation," The Journal of Nuclear Biology and Medicine, Volume 37, Number 3 (P) 155, 1993.

Garlich, J.R, McMillan, K., Masterson, T.T., Simon, J., Wilson, D.A., "Chemistry of Novel Macrocyclic Aminophosphonic Acid Chelates of Rare Earth Radionuclides and their In Vivo Biodistribution," Journal of Nuclear Medicine, Volume 34, Number 5, (P) 244P, 1993.

Olson, R.; Simon, J., Baker, K.; Braun, R.; Oliver, C.; Williamson, D.; Wilson, D. "Successful Remediation of a Thorium Contaminated 40 Acre Site," 15th DOE Low-Level Radioactive Waste Management Conference. Phoenix, Arizona. Dec. 1993.

L.P. Kasi, D. Macey, S. Imam, J. Bayouth, J. Garlich, K. McMillan, J. Simon, M. Dimopoulos, D. Podoloff, R. Champlin, "Pharmacokinetics of Holmium-166 DOTMP Used for Bone Marrow Ablation," 8th International Symposium on Radiopharmacology, Ghent Belgium, September 5-9, 1993.

Ketring, A.R.; Volkert, W.A.; Simon, J.; Goeckeler, W.F.; Troutner, D.E.; Ehrhardt, G.J. "Influence of Stability on the Skeletal Biodistribution of Rare-Earth Carboxylate Complexion," Journal of Nuclear Medicine. 31:767, 1990, 37th Annual Soc. Nucl. Med. Mtg., Washington, D.C., June 19-22, 1990.

Lattimer, J.C.; Corwin, L.A.; Stapleton, J.; Volkert, W.A.; Ketring, A.R.; Ehrhardt, G.J.; Anderson, S.K.; Simon, J.; Goeckeler, W.F. "Clinical and Clinicopathologic Effects of Samarium 153-EDTMP Administered Intravenously In Two Normal Dogs," Journal of Nuclear Medicine. 31:1316-1325, 1990.

Volkert, W.A.; Simon, J.; Ketring, A.R.; Holmes, R.A.; Latdmer, J.C.; Corwin, L.A. "Radiolabeled Phosphonic Acid Chelates: Potential Therapeutic Agents for Treatment of Skeletal Metastases," Drugs of the Future, 14:799-811, 1989.

Simon, J.; Wilson, D.A.; Baughman, S.A.; McMillan, K.; Leggett, D.; Goeckeler, W.F.; Stringham, L.M.; Volkert, W.A. "The Relationship of Log K of Sm-153-Aminophosphonate and Aminocarboxylate Complexes With Skeletal Uptake In Rats," Proc. Seventh Int'l Symp. On Radiopharm. Chem., Groningen, Netherlands, July 4-8, 1988.

Corwin, L.A.; Latdmer, J.C.; Goeckeler, W.F.; Stapleton, J.; Stringham, L.M.; Simon, J.; Ketring, A.R.; Volkert, W.A.; Holmes, R.A. "Response of Spontaneous Canine Bone Tumors to Sm-153-EDTMP Therapy," Journal of Nuclear Medicine. 29:5:903, 1988. Proc. 35th Ann.Mtg. Society of Nuclear Medicine, San Francisco, CA, June 13-18, 1988.

Simon, J.; Wilson, D.A.; Baughman, S.A.; McMillan, K.; Leggett, D.; Goeckeler, W.F.; Stringham, L.M.; Volkert, W.A. "The Relationship of Log K of 153-Sm Aminophosphonate and Aminocarboxylate Complexes With Skeletal Uptake in Rats," J Labl. Compd. Radiopharm. 25, 1988.

Edwards, B.; Stringham, L.M.; Volkert, W.A.; Simon, J.; Ehrhardt, G.J.; Holmes, R.A. "Localization of Gd-159-EDTMP in Damaged Rat Myocardium," Journal of Nuclear Medicine, Vol. 28 (4), 722, 1987.

Goeckeler, W.F.; Edwards, B.; Volkert, W.A.; Troutner, D.E.; Holmes, R.A.; Simon, J.; Wilson, D.A. "Skeletal localization Properties of Sm-153 Chelates; Potential Radiotherapeutic Agents," Journal of Nuclear Medicine, 28 (4): 495-504, 1987.

Goeckeler, W.F.; Edwards, B.; Volkert, W.A.; Troutner, D.E.; Holmes, R.A.; Simon, J.; Wilson, D.A. "Biocalization Properties of Sm-153 Chelates as Radiotherapeutic Bone Agents," Journal of Nuclear Medicine. 27:915, 1986.

Goeckeler, W.F.; Volkert, W.A.; Troutner, D.E.; Corwin, L.A.; Lattimer, J.C. and Simon, J. "Sm-153-EDTMP: A Potential Therapeutic Bone Agent," Soc. Nucl. Med. Ann. Mtg. Washington, D.C., June 22-25, 1986.

Volkert, W.A.; Edwards, B.; Simon, J.; Wilson, D.A.; McKenzie, E.; Oberle, P.; Holmes, R.A. "In Vivo Skeletal Localization Properties of Tc-99m Complexes of Large Phosphonate Ligands," J. Labl. Compds. Radiopharm. 23:1341-1343, 1986.

Garlich, J.R.; Baughman, S.A.; Simon, J.; McMillan, K.; Ketring, A.R.; Volkert, W.A.; Goeckeler, W.F., and Troutner, D.E. "Chemical Considerations of 153-Sm-EDTMP, a New Therapeutic Bone Agent," J.Labl. Compds. Radiopharm. 23:1341-1343, 1986.

Simon, J.; Goeckeler, W.F.; Edwards, B.; Stringham, L.; Volkert, W.A.; Troutner, D.E.; Holmes, R.A. "153 Sm-EDTMP, A Potential Therapeutic Bone Agent," J.Labl. Compds. Radiopharm. 23:1344-1346, 1986.

Simon, J.; Goeckeler, W.F.; Edwards, B.; Stringham, L.; Volkert, W.A.; Troutner, D.E.; Holmes, R.A. "153-Sm-EDTMP, a Potential Therapeutic Bone Agent," Sixth International Symposium on Radiopharmaceutical Chemistry. Massachusetts Institute of Technology, June 1986.

Garlich, J.R., Baughman, S.A., Simon, J.; McMillan, K.; Ketring, A.R.; Volkert, W.A.; Goeckeler, W.F.; Troutner, D.E. "Chemical Considerations of 153-Sm-EDTMP, A New Therapeutic Bone Agent," Sixth International Symposium on Radiopharmaceutical Chemistry, Boston, Massachusetts, June, 1986.

Corwin, L.A.; Lattimer, J.C.; Goeckeler, W.F.; Stapleton, J.; Edwards, B.E.; Stringham, L.; Simon, J.; Ketring, A.R.; Volkert, W.A.; Holmes, R.A. "Sm-153-EDTMP Treatment of Spontaneous Canine Bone Tumors," Journal of Nuclear Medicine. 27:986, 1986.

Goeckeler, W.F.; Troutner, D.E., Volkert, W.A.; Edwards, B.; Simon, J.; Wilson, D.A. "Sm-153 Radiotherapeutic Bone Agents," Int. J. Rad. Appl. Instrumentation. Part B: Nucl. Med. & Bio. 13(4):479-482, 1985.

Volkert, W.A.; Simon, J.; Wilson, D.A.; Edwards, B.; McKenzie, E.H.; Oberle, P.; Holmes, R.A. "Skeletal Uptake Properties of Tc-99m Labeled Multidentate Phosphonates," Fifth Int'l Symp. on Radiopharm. Chem., Tokyo, Japan, July 9-13, 1984.

Volkert, W.A.; Edwards, B.; Simon, J.; Wilson, D.A.; McKenzie, E.H.; Oberle, P.; Holmes, R. "Skeletal Uptake Properties of Tc-99m Labeled Multidentate Phosphonate Ligands," J. Labeled Cpds. 21:1063-65, 1984.

Volkert, W.A.; Simon, J.; Wilson, D.A.; Edwards, B.; McKenzie, E.H.; Oberle, P.; Holmes, R.A. "Characteristics of Tc-99m Complexes of Large Tetrakisphosphonates," Soc. Nucl. Med. Ann. Mtg. Los Angeles, California, June, 1984. Journal of Nuclear Medicine., 25:129, 1984.

Simon, J.; Volkert, W.A. Troutner, D.E.; Holmes, R.A. "Radiochemical Characterization of Tc-99m Cyclam," Radiochem. Radioanal. Lett. 47:111-124, 1981.

Simon, J. "The Preparation and Characterization of Several Technetium Complexes," Diss. Abstr. Int. B 42(2), 645, 1981.

Volkert, W.A.; Simon, J.; Troutner, D.E.; Holmes, R.A. "Partial Characterization of the Tc-99m-Cyclam Complex," Society of Nuclear Medicine Annual Meeting. Detroit, Michigan, July 23, 1980.

Troutner, D.E.; Simon, J.; Ketrings, A.R.; Volkert, W.A.; Holmes, R.A. "Complexing of Tc-99m with Cyclam," Journal of Nuclear Medicine. 21:443-448, 1980.

Simon, J.; Zuckman, S.; Troutner, D.E.; Volkert, W.A.; Holmes, R.A. "Tc-99 Cyclam," Third International Symposium on Radiopharmaceutical Chemistry. St. Louis, Missouri, June 16-20, 1979.

Ketring, A.R.; Troutner, D.E.; Simon, J.; Volkert, W.A.; Holmes, R.A. "Biodistribution of Various Macrocyclic Amines Labeled with Tc-99m," The American Chemical Society/Chemical Society of Japan Congress. Honolulu, Hawaii, April 1-6, 1979.

Troutner, D.E.; Volkert, W.A.; Simon, J.; Ketring, A.R.; Holmes, R.A. "Complexes of Tc-99m with Cyclam," Journal of Nuclear Medicine. 20:64142, 1979.

Ketring, A.R.; Troutner, D.E.; Simon, J.; Volkert, W.A.; Holmes, R.A. "Biodistribution of Various Macrocyclic Amines Labeled With Tc-99m," Proc. Amer. Chem. Soc. 44, 1979.

Volkert, W.A.; Simon, J.; Johnson, J.A.; Troutner, D.E.; Holmes, R.A. "The Complexation of Tetrapropionic Acid-Cyclam with Tc-99m and its Biocalization Properties," Second Int'l Symp. on Radiopharmaceuticals, Seattle, WA., March 18-23, 1979.

Simon, J.; Ketring, A.R.; Troutner, D.E.; Volkert, W.A.; Holmes, R.A. "Labeling a Macrocyclic Tetraaza Ligand with Tc-99m," Radiochem. Radioanal. Lett. 38:133-142, 1979.

Ketring, A.R.; Simon, J.; Troutner, D.E.; Volkert, W.A.; Holmes, R.A. "Stability and In Vivo Distribution Studies of Tc-99m-Methyl (6)-14-Diene (4,11)-N₄," Missouri Valley Chapter of the Society of Nuclear Medicine Meeting. Kansas City, Missouri, October 26-28, 1978.

Simon, J. "Chemistry and Hair," Midwest Cosmetology Convention. Stephens College, Columbia, Missouri, 1978.

Simon, J.; Ketring, A.R.; Troutner, D.E.; Volkert, W.A.; Holmes, R.A.
"Labeling and Stability of a Tc-99m-Methyl (6)-14 Diene (4,11)-N4 Complex,"
176th National Meeting of American Chemical Society. Miami Beach,
Florida, September, 1978.

Simon, J.; "The Preparation and Stability of a Technetium-99m Complex with
5,7,7,12,14,14-Hexamethyl-1,4,8,11, Tetraazacyclotetradeca-4,11-Dienen,"
University of Missouri, Columbia, Missouri, 1978.

Patents

- US7045116 Treatment of osteomyelitis with radiopharmaceuticals.
Dana W. Simon, Alan D. Strickland, Jaime Simon, Daniel
J. Macey, R. Keith Frank, Kenneth McMillan 05-16-06
- US6908609 In vivo use of water absorbent polymers. Jaime Simon,
Alan D. Strickland 06-21-05
- US6861044 RADIOIODINATED SULFONATED PHENOLS AND
PROCESS THEREFORE Jaime Simon, R. Keith Frank,
Alan D. Strickland. 03-01-05
- US6670456 ACTINIUM-225 COMPLEXES AND CONJUGATES FOR
TARGETED RADIOTHERAPY. R. Keith Frank, Garry E.
Kiefer, Jaime Simon 10-30-2003
- US6506364 Radioiodinated sulfonated phenols for the study of renal
function. Jaime Simon, Alan D. Strickland R. Keith Frank
01-14-2003
- US6506363 Radioiodinated sulfonated phenols and process therefore
Jamie Simon, R. Keith Frank, Alan D. Strickland 01-14-
2003
- WO 2002040039 In vivo use of water absorbent polymers Jaime
Simon, Alan D. Strickland. 5-23-02
- US 6315979 Radioiodinated sulfonated phenols for brachytherapy.
Jamie Simon, R. Keith Frank, Alan D. Strickland. 11-13-01
- WO 2001066155 Actinium-225 complexes and conjugates for radio-
immunotherapy. Dangshe Ma, Michael R. McDevitt, David
A. Scheinberg, Jaime Simon, Garry E. Kiefer, R. Keith
Frank, Gyongyi Gulyas. 9-13-01

- WO 2001028544 Dialysis solution including polyglycol osmotic agent. Jaime Simon, Alan D. Strickland, Robert M. Strom. 4-26-01
- WO 2001091806 A method of using a surrogate for a therapeutic agent to determine the therapeutic dose for bone marrow ablation therapy. Richard E. Wendt III, Jaime Simon. 12-6-01
- WO 9963547 Apparatus for the preparation of radioactive solutions. R. Keith Frank, Jaime Simon. 12-9-99
- WO 9817707 Water-soluble polymers for the reduction of dietary phosphate or oxalate absorption. Jaime Simon, Tipton Masterson, Alan D. Strickland, Martha Hilton. 4-30-98
- WO 9824725 Production of Calcium Carbonate Containing Low Concentrations of Non-Calcium Metals. R. Keith Frank, Jaime Simón, Ted J. Hanson, John E. Pavlick. 6-11-98
- US 5762907 Frozen Radiopharmaceutical Formulations. R. Keith Frank, Joseph R. Garlich, Kenneth McMillan; Jaime Simón. 6-9-98
- US 5756065 Macrocyclic Tetraazacyclododecane Conjugates and Their Use as Diagnostic and Therapeutic Agents. Roberta C. Cheng, William A. Fordyce, R. Keith Frank, Joseph R. Garlich, William F. Goeckler, William J. Kruper, Kenneth McMillan, Jaime Simon, David A. Wilson. 5-26-98
- US 5750660 Bicyclopolyazamacrocyclicphosphonic Acid Half Esters. Garry E. Kiefer, Jaime Simon; Joseph R. Garlich. 5-12-98
- US 5739294 Bicyclopolyazamacrocyclophosphonic Acid Complexes For Use As Contrast Agents. Garry E. Kiefer; Jaime Simon, Joseph R. Garlich. 4-14-98
- US 5714631 Conjugates Possessing Ortho Ligating Functionality. David A. Wilson, Joseph R. Garlich, R. Keith Frank, Kenneth McMillan, Jaime Simon. 2-3-98
- US 5678241 Process For Concentrating Thorium Containing Magnesium Slag., David A. Wilson; Jaime Simon, Garry E. Kiefer. 10-14-97
- US 5652361 MACROCYCLIC LIGANDS AND COMPLEXES. Jaime Simon, Joseph R. Garlich, Garry E. Keifer, Kenneth McMillan, Richard Keith Frank, William F. Goeckeler, William A. Fordyce, Roberta C. Cheng, William J. Kruper, Jr., Sharon Baughman, David A Wilson. 7-29-97
- US 5480990 Bicyclopolyazamacrocycloxylic acid complexes for use as contrast AGENTS. Garry E. Kiefer, Jaime Simon. 1-2-96

- US 5447603 PROCESS FOR REMOVING METAL IONS FROM LIQUIDS. Robert J. Michalowski, Steven H. Christiansen, R. Keith Frank, Teresa Littleton, Jaime Simon, Walter Vaughn, David A. Wilson. 9-5-95
- US 5435990 MACROCYCLIC CONJUGATES AND THEIR USE AS DIAGNOSTIC AND THERAPEUTIC AGENTS. Roberta C. Cheng, William A. Fordyce, William F. Goeckleler, William J. Kruper, Jr., Richard K. Frank, Joseph R. Garlich, Garry E. Kiefer, Kenneth McMillan, Jaime Simon, David A. Wilson, Sharon Braughman. 7-25-95
- WO 9516463 Radioactive polysaccharide compositions and their use for radiation ablation treatment. R. Keith Frank; Kenneth McMillan; Jaime Simon. 6-22-95
- US 5428139 BICYCLOPOLYAZAMACROCYCLOPHOSPHONIC ACID COMPLEXES FOR USE AS RADIOPHARMACEUTICALS. Garry E. Kiefer, Jaime Simon. 6-27-95
- US 5286479 Oral compositions for suppressing mouth odors. Joseph R. Garlich, Tipton Masterson, Jaime Simon, Vidyadhar Hegde. 2-15-94
- US 5308606 Method of treating and/or diagnosing soft tissue tumors. David A. Wilson, R. Keith Frank, Joseph R. Garlich, Jaime Simon. 5-3-94
- WO 9426754 Bicyclopolyazamacrocyclophosphonic acids, their complexes and conjugates, for use as contrast agents, and processes for their preparation. Garry E Kiefer, Jaime Simon, Joseph R. Garlich. 11-24-94
- WO 9426315 Bicyclopolyazamacrocyclocarboxylic acid, their conjugate, processes for their preparation, and use as radiopharmaceuticals. Garry E Kiefer, Jaime Simon. 11-24-94
- WO 9426755 Bicyclopolyazamacrocyclophosphonic acid complexes, a process for their preparation and their conjugates, for use as radiopharmaceuticals. Garry E. Kiefer, Jaime Simon. 11-24-94
- US 5342925 RADIOACTIVE COMPOSITIONS FOR SOFT TISSUE TUMORS. David A. Wilson, R. Keith Frank, Joseph R. Garlich, Jaime Simon. 8-30-94
- US 5342604 COMPLEXES POSSESSING ORTHO LIGATING FUNCTIONALITY. David A. Wilson, Joseph R. Garlich, R. Keith Frank, Kenneth McMillan, Jaime Simon. 8-30-94
- US 5320829 ORAL COMPOSITIONS FOR INHIBITING PLAQUE FORMATION. Joseph R. Garlich, R. Keith Frank, Garry E. Kiefer, Jaime Simon, David A. Wilson. 6-14-94

- US 5318772 ORAL COMPOSITIONS FOR INHIBITING CALCULUS FORMATION. R. Keith Frank, Joseph R. Garlich, Jaime Simon, Garry E. Kiefer, David A. Wilson. 6-7-94
- US 5300281 RADIOLABELED COMPOSITIONS CONTAINING A CALCIFIC MATRIX AND THEIR USE FOR TREATMENT OF ARTHRITIS, Kenneth McMillan, Jaime Simon, 4-5-94
- US 5300279 ORGANIC AMINE PHOSPHONIC ACID COMPLEXES FOR THE TREATMENT OF CALCIFIC TUMORS. Jaime Simon, Joseph R. Garlich, William F. Goeckeler, David A. Wilson, Wynn A. Volkert, David E. Troutner. 4-5-94
- WO 9312112 Bicyclopolyazamacrocyclophosphonic acid complexes, processes for antibody conjugates preparation, and use as radiopharmaceuticals. Garry E Kiefer, Jaime Simon. 6-24-93
- WO 9311800 Bicyclopolyazamacrocyclocarboxylic acid complexes, conjugates, preparation and use as contrast agents for MRI. Garry E Kiefer, Jaime Simon. 6-24-93
- US 5268129 LAYERED MIXED METAL HYDROXIDES FOR THE STABILIZATION OF RADIOACTIVE COLLOIDS. Jaime Simon, Kenneth McMillan, David A. Wilson, Harrell L. Huff. 12-7-93
- US 5223181 PROCESS FOR SELECTIVELY CONCENTRATING THE RADIOACTIVITY OF THORIUM CONTAINING MAGNESIUM SLAG. David A. Wilson, Steven H. Christiansen, Jaime Simon, Dana W. Morin. 6-29-93
- US 5137709 LAYERED MIXED METAL HYDROXIDES FOR THE STABILIZATION OF RADIOACTIVE COLLOIDS. Jaime Simon, David A. Wilson, Kenneth McMillan, Harrell L. Huff. 8-11-92
- US 5133956 RADIOLABELED METAL-BINDING PROTEIN FOR THE TREATMENT OF ARTHRITIS. Joseph R. Garlich, Kenneth McMillan, Jaime Simon. 7-28-92
- US 5066478 RADIOLABELED ORGANIC AMINE PHOSPHONIC ACID COMPLEXES FOR THE TREATMENT OF CALCIFIC TUMORS. Jaime Simon, David A. Wilson, Wynn A. Volkert, David E. Troutner, William F. Goeckeler. 11-19-91
- US 5064633 MACROCYCLIC AMINOPHOSPHONIC ACID COMPLEXES, THEIR FORMULATIONS AND USE. Jaime Simon, David A. Wilson, Joseph R. Garlich, David E. Troutner. 11-12-91
- US 5061476 RADIOLABELED COLLOID COMPOSITIONS AND METHOD FOR PREPARING SAME. Jaime Simon, Lance A. Cooper, Kenneth McMillan, David A. Wilson. 10-29-91

US 5059412 MACROCYCLIC AMINOPHOSPHONIC ACID COMPLEXES FOR THE TREATMENT OF CALCIFIC TUMORS. Jaime Simon, David A. Wilson, Joseph R. Garlich, David E. Troutner. 10-22-91

US 4976950 BONE MARROW SUPPRESSING AGENTS. Jaime Simon, Joseph R. Garlich, David A. Wilson, Kenneth McMillan. 12-11-90

US 4937333 METHOD OF PURIFYING AMINOMETHYLENEPHOSPHONIC ACIDS FOR PHARMACEUTICAL USE. Joseph R. Garlich, Jaime Simon, Tipton T. Masterson. 6-26-90

US 4898724 ORGANIS AMINE PHOSPHONIC ACID COMPLEXES FOR THE TREATMENT OF CALCIFIC TUMORS. Jaime Simon, David A. Wilson, Wynn A. Volkert, David E. Troutner, William F. Goeckeler. 2-6-90

US 4897254 RADIOACTIVE COMPOSITIONS FOR THE TREATMENT OF CALCIFIC TUMORS. Jaime Simon, Wynn A. Volkert, David A. Wilson, David E. Troutner, William F. Goeckeler. 1-30-90

US 4882142 BONE MARROW SUPPRESSING AGENTS. Jaime Simon, Joseph R. Garlich, David A. Wilson, Kenneth McMillan. 11-21-89

US 4786440 DETERGENT COMPOSITIONS USING AN AMINOCARBOXYLIC ACID AS BUILDER. Lance A. Cooper, Jaime Simon, David A. Wilson. 11-22-88

US 4770791 CONTROL OF METAL IONS USING BIS(AMINOALKYL) PIPERAZINE DERIVATIVES. Druce K. Crump, Jaime Simon, David A. Wilson. 9-13-88

US 4758635 POLYAMINDOAMINE BASED METAL ION CONTROL COMPOUND. David A. Wilson, Druce K. Crump, Jaime Simon. 7-19-88

US 4680396 BIS(AMINOALKYL)PIPERAZINE DERIVATIVES AND THEIR USE AS METAL ION CONTROL AGENTS. Druce K. Crump, Jaime Simon, David A. Wilson. 7-14-87

US 4606907 BONE SEEKING TC-99M COMPLEXES OF PHOSPHONATE DERIVATIVES OF POLYAMIDOAMINES. Jaime Simon, Wynn A. Volkert, David A. Wilson. 8-19-86

US 4582698 PROCESS FOR IMAGING CARDIAC INFARCTS. Jaime Simon, David A. Wilson, Wynn A. Volkert. 4-15-86

US 4568468 USE OF NORBORNANE DERIVED COMPOUNDS AS THRESHOLD AGENTS. Jaime Simon, Druce K. Crump, David A. Wilson. 2-4-86

- US 4560548 BONE SEEKING TC-99M COMPLEXES OF PHOSPHONATE DERIVATIVES OF BIS(AMINOALKYL)PIPERAZINE. Jaime Simon, David A. Wilson, Wynn A. Volkert, Druce K. Crump. 12-24-85
- US 4515767 RADIOACTIVE METALS COMPLEXED WITH PHOSPHONATE DERIVATIVES OF DICYCLOPENTADIENE BIS (METHYLAMINE). Jaime Simon, David A. Wilson, Wynn A. Volkert. 5-7-85
- US 4508704 RADIOACTIVE METALS COMPLEXED WITH PHOSPHONATE DERIVATIVES OF BICYCLOHEPTANE BIS(ALKYLAMINES). Jaime Simon, David A. Wilson, Wynn A. Volkert. 4-2-85
- US 4500469 METAL ION CONTROL COMPOUNDS BASED ON NORBORNANE. Jaime Simon, Druce K. Crump, David A. Wilson. 2-19-85
- US 4500356 METHYLENEPHOSPHONIC ACID DERIVATIVES OF BIS(AMINOALKYL)PIPERAZINES AS CEMENT SET RETARDING AGENTS. Druce K. Crump, Jaime Simon, David A. Wilson. 2-19-85

Awards & Honors

- 2004 Regional Genesis Award for the United States from the Dow Chemical Company for people development.
- 2002 Outstanding Technical Achievement Award from the Hispanic Engineer National Achievement Awards Corporation
- 2002 Member of the group representing The Dow Chemical Company at the Presidents National Medal of Technology Awards banquet
- 2001 University of Missouri Faculty/Alumni Award
- 2001 CBS News highlights Dow's work with Memorial Sloan-Kettering Cancer Center— "A 'Smart Bomb' That Cures"
- 1999 Proxima recognizes Dow for work on brain tumor brachytherapy
- 1997 FDA approval of Quadramet™ (Dow Award)
- 1993 Dow Chemical President E. J. Sosa presents "SPECIAL ACHIEVEMENT AWARD" for outstanding work on remediation of the Madison, Ill. site (Dow Award)
- 1992 Dow Chemical "PRESIDENTS ENVIRONMENTAL CARE AWARD", presented by Frank Popoff CEO for work at Madison, Illinois

1991 Gulf Coast Scientist, "INVENTOR OF THE YEAR AWARD" for Ho-DOTMP used for the treatment of multiple myeloma (Dow Award)

1989 Recognized by The American Chemical Society as one of the outstanding "YOUNG CHEMISTS" for 1989. Publicized in *The New York Times*, *The Washington Post*, *The San Francisco Chronicle Examiner*, *The Los Angeles Times*, *The Philadelphia Inquirer*, *The Boston Globe*, *The Pittsburgh Press*, *The Columbus Dispatch*, *The Charlotte Observer*, *The Willmington News Journal*, *The Chicago Tribune*, *The Houston Chronicle*, *The Cleveland Plain Dealer*, and *the Newark Star Ledger*.

1987 American Chemical Society, Brazosport Award for "OUTSTANDING SCIENTIFIC ACHIEVEMENT" in the field of nuclear medicine.

1987 Gulf Coast Scientists "EXCELLENCE IN SCIENCE" award for cancer research (Dow Award)

**Professional
Organizations**

Society of Nuclear Medicine
American Chemical Society
American Nuclear Society
Jefferson Club- University of Missouri
Hispanic Latin Network (The Dow Chemical Company)
Gulf Coast Scientist (The Dow Chemical Company)

**Community
Activities**