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Positions

- 1963-1965 Instructor in Medicine, Department of Medicine, National University of San Marcos, School of Medicine, Lima, Peru.
- 1973-1974 Associate in Medicine, Department of Medicine, University of Pennsylvania, School of Medicine, Philadelphia, PA.
- 1974-1980 Assistant Professor, Department of Medicine, University of Pennsylvania, School of Medicine, Philadelphia, PA.
- 1978-1980 Assistant Professor, Department of Orthopedic Surgery, University of Pennsylvania, School of Medicine, Philadelphia, PA.
- 1980-1986 Associate Professor, Department of Medicine, and Department of Orthopedic Surgery, University of Pennsylvania, Philadelphia, PA.
- 1986-1987 Professor of Medicine and Professor of Orthopedic Surgery, University of Pennsylvania School of Medicine, Philadelphia, PA.
- 1987-1992 Professor of Medicine and Director, Rheumatology Research, Department of Medicine, Thomas Jefferson University, Philadelphia, PA.
- 1992-2007 Director, Division of Rheumatology, Department of Medicine, Thomas Jefferson University, Philadelphia, PA.
- 1992-2007 The Dorrance H. Hamilton Professor of Medicine, Thomas Jefferson University, Philadelphia, PA.
- 1999-2003 Vice Chairman for Research, Department of Medicine, Thomas Jefferson University, Philadelphia, PA.
- From 2007 Co-Director, Jefferson Institute of Molecular Medicine, Thomas Jefferson University, Philadelphia, PA.
- From 2007 Director, Division of Connective Tissue Diseases, Thomas Jefferson University, Philadelphia, PA.

Awards

- 1965 Magna Cum Laude, National Univ. of San Marcos, School of Medicine, Lima Peru.
- 1981 Nominated for "Science Digest Award"
- 1986 "Gerald P. Rodnan Award" for excellence in Scleroderma Research.
- 1991 University of Miami: Third Annual Ann Gilbert Visiting Professorship.
- 1996 Outstanding Investigator Award. Dept. of Medicine, Thomas Jefferson University.
- 2000 Joseph Lee Hollander Award for Excellence in Rheumatology, Arthritis Foundation
- 2001 Arthritis Foundation Postdoctoral Fellow "Hero" Award
- 2005 Dean's Award for Mentoring, Thomas Jefferson University
- 2005 Osteoarthritis Research Society International (OARSI) Basic Science Award

Honors and Membership in Honary Societies:

- 1971-1972 Research Fellow, The Arthritis Foundation
- From 1974 Fellow, American College of Physicians
- From 1978 Honorary Member, Peruvian Society of Rheumatology
- 1978-1981 Honorary Adjunct Fellow, The Benjamin Franklin Institute

From 1979 Chairman, Medical Advisory Board, Mid-Atlantic Chapter, Scleroderma Research Foundation
 1981-1984 Chairman, Research and Scholarships Committee, Eastern Pennsylvania Chapter of the Arthritis Foundation
 1980-1984 Member, American Rheumatism Association Scientific Workshop Sub-committee
 1984 Member, Scientific Program Committee, American Rheumatism Association 50th anniversary Scientific Meeting
 From 1982 International Corresponding Member, "Carlo Curzio Neopolitan Society for the Study of the Connective Tissue Diseases"
 1982-1995 Board of Directors, Eastern Pennsylvania Chapter of the Arthritis Foundation
 1982-1984 Member, National Scleroderma Council, American Rheumatism Association
 1984-1989 Member, Medical Advisory Board, International Scleroderma Federation
 From 1984 Honorary Member, Chilean Society of Rheumatology
 From 1984 Member, Ibero-American Council of Rheumatology
 From 1986 Member, Medical Advisory Board, Scleroderma Foundation
 1987 Member, Scleroderma Materials Subcommittee, American Rheumatism Association
 1987 Leader, National Arthritis Foundation Fellows Conference, American Rheumatism Association
 From 1989 Chairman, Medical Advisory Board, Scleroderma Association of Delaware Valley.
 1989-1992 Member, Arthritis Foundation Research Committee.
 1991 Chairman, Research Overview Committee, Scleroderma Federation.
 1991 Member, Advisory Committee, Osteoarthritis Research Society.
 1992 Member, Basic Research Commission, Osteoarthritis Research Society.
 1994 Member, Medical and Scientific Advisory Board, The Scleroderma Federation
 1994 Listing in "The Best Doctors in America"
 1994-1997 Member, Executive Board, Osteoarthritis Research Society
 1996-2000 Member, Executive Advisory Board, Eastern Pennsylvania Chapter of the Arthritis Foundation
 1996-1997 Member, Arthritis Foundation Research Committee
 1997 **Osteoarthritis Research Society 1997 Award Selection Committee**
 1997 **President Elect, Osteoarthritis Research Society International**
 2000-2002 President, Osteoarthritis Research Society International
 2002-2004 Past President, Osteoarthritis Research Society International
 From 2003 Medical Advisory and Professional Education Committee, Eastern Pennsylvania Chapter, Arthritis Foundation

Publications (Selected from 287 peer reviewed papers, 105 chapters, reviews or editorials, and over 475 abstracts)

Original Papers (Peer Reviewed)

286. Del Galdo F, Sotgia F, de Almeida C, Jasmin JF, Musick M, Lisanti MP, Jimenez SA. Decreased expression of caveolin-1 in systemic sclerosis: Critical role in the pathogenesis of tissue fibrosis of caveolin in the pathogenesis of SSc. *Arthritis Rheum* (Submitted 2008).
281. Roman-Blas JA, Stokes DG, Jimenez SA. Modulation of TGF- β signaling by proinflammatory cytokines in articular chondrocytes. *Osteoarthritis Cart* 15:1367-1377, 2007
280. Del Galdo F, Jimenez SA. T Cells Expressing Allograft Inflammatory Factor 1 Display Increased Chemotaxis and Induce a Profibrotic Phenotype in Normal Fibroblasts In Vitro. *Arthritis Rheum* 56(10):3478-88, 2007.
277. Piera-Velazquez S, Hawkins DF, Whitecavage MK, Colter DC, Jimenez SA, Stokes DA. Regulation of the human Sox9 promoter by Sp1 and CREB, *Exp Cell Res* 313:1069-1079, 2007.
275. Del Galdo F, Artlett CM, Jimenez S. Role of allograft inflammatory factor 1 in systemic sclerosis. *Curr Opin Rheum* 18:588-593, 2006.
273. Roman-Blas J, Jimenez SA. NF- κ B as potential therapeutic target in osteoarthritis and rheumatoid arthritis. *Osteoarthritis Cart* 14:839-848, 2006.
272. Del Galdo F, Maul, GG, Jimenez SA, Artlett CM. Expression of allograft inflammatory factor-1 in tissues from patients with systemic sclerosis and *in vitro* differential expression of its isoforms in response to transforming growth factor- β . *Arthritis Rheum* 54:2616-2625, 2006.
269. Louneva N, Huaman G, Fertala J, Jimenez SA. Inhibition of systemic sclerosis dermal fibroblast type I collagen production and gene expression by simvastatin. *Arthritis Rheum* 54: 1298-1308, 2006.
267. Sandorfi N, Louneva N, Hitraya E, Hajnoczky G, Saitta B, and Jimenez SA. Inhibition of collagen gene expression in systemic sclerosis dermal fibroblasts by mithramycin. *Ann Rheum Dis* 64:1685-91, 2005.
263. Mendoza FA, Artlett CM, Sandorfi N, Latinis K, Piera-Velazquez S, Jimenez SA. Description of eleven cases of dialysis-associated systemic fibrosis (Nephrogenic Fibrosing Dermopathy) and review of the literature. *Semin Arthritis Rheum* 35:239-249, 2006.
261. Colter DC, Piera-Velazquez S, Hawkins DF, Whitecavage MK, Jimenez SA, Stokes DG. Regulation of the human Sox9 promoter by the CCAAT-binding factor. *Matrix Biology* 24:185-197, 2005.
253. Jimenez SA, Artlett CM, Sandorfi N, Derk C, Latinis K, Sawaya H, Haddad R, Shanahan JC. Dialysis-associated systemic fibrosis (Nephrogenic Fibrosing Dermopathy): A clinical description of nine new cases and study of inflammatory cells and transforming growth factor β -1 expression in affected skin. *Arthritis Rheum* 50:2660-2666, 2004.
252. Levine JM, Taylor RA, Elman LB, Bird SH, Lavi E, Stolzenberg ED, McGarvey ML, Asbury AK, Jimenez SA. Involvement of skeletal muscle in dialysis-associated systemic fibrosis (Nephrogenic Fibrosing Dermopathy). *Muscle & Nerve* 30: 569-577, 2004.
251. Cicchillitti L, Jimenez SA, Sala A, Saitta B. B-Myb acts as a repressor of human COL1A1 collagen gene expression in Scleroderma fibroblasts: Inhibition of CBF and Sp1 binding. *Biochem J* 378:609-616, 2003.
242. Louneva N, Saitta B, Jimenez SA. Transcriptional inhibition of type I collagen gene expression in scleroderma fibroblasts by the antineoplastic drug Ecteinascidin 743. *J Biol Chem* 278:40400-40407, 2003.
241. Zhang P, Jimenez SA, Stokes DG. Regulation of human COL9A1 gene expression: activation of the proximal promoter region by SOX9. *J Biol Chem* 278:117-123, 2003.
240. Jimenez SA and Derk CT. Following the molecular pathways toward an understanding of the pathogenesis of Systemic Sclerosis. *Ann Int Med* 140:37-50, 2004.

239. Coimbra IB, Jimenez SA, Hawkins DF, Piera-Velazquez S, Stokes DG. Hypoxia inducible factor-1 alpha expression in human normal and osteoarthritic chondrocytes. *Osteoarthritis Cart* 12:336-345, 2004.
238. Dodge GR and Jimenez SA. Glucosamine sulfate modulates the levels of aggrecan and matrix metalloproteinase-3 synthesized by cultured adult human osteoarthritis articular chondrocytes. *Osteoarthritis Cart* 11:424-432, 2003.
235. Gaidarova S and Jimenez SA. Inhibition of basal and transforming growth factor- β -induced stimulation of COL1A1 transcription by the DNA intercalators, Mitoxantrone and WP631, in cultured human dermal fibroblasts. *J Biol Chem* 277:38737-38745, 2002.
232. Piera-Velazquez S, Jimenez SA, Stokes DG. Increased life-span of human osteoarthritic chondrocytes by exogenous expression of telomerase. *Arthritis Rheum* 46:683-693, 2002.
231. Fertala A, Sieron AL, Adachi E, Jimenez SA. Collagen II containing a Cys substitution for Arg- α 1-519: Abnormal interactions of the mutated molecules with collagen IX. *Biochemistry* 40:14422-14428, 2001.
230. Jimenez SA, Gaidarova S, Saitta B, Sandorfi N, Herrich DJ, Rosenbloom JC, Kucich U, Abrams WR, Rosenbloom J. Role of protein kinase C- δ in the regulation of collagen gene expression in scleroderma fibroblasts. *J Clin Invest* 108:1395-1403, 2001.
227. Stokes DG, Liu G, Coimbra IB, Piera-Velazquez S, Crowl RM, Jimenez SA. Assessment of the gene expression profile of differentiated and de-differentiated human fetal chondrocytes by microarray analysis. *Arthritis Rheum* 46:404-419, 2002.
221. Saitta B, Gaidarova S, Cicchillitti L, Jimenez SA. CCAAT-binding transcription factor binds and regulates human COL1A1 promoter activity in human dermal fibroblasts. Demonstration of increased binding in Systemic Sclerosis. *Arthritis Rheum* 43:2219-2229, 2000.
220. Stokes DG, Liu G, Dharmavaram R, Hawkins D, Piera-Velazquez S, Jimenez SA. Regulation of type II collagen gene expression during human chondrocyte de-differentiation and recovery of chondrocyte-specific phenotype in culture involves Sox transcription factors. *Biochem J* 360:461-470, 2001.
219. Christner PJ, Artlett CM, Conway RF, Jimenez SA. Increased numbers of microchimeric cells of fetal origin are associated with dermal fibrosis in mice following injection of vinyl chloride. *Arthritis Rheum* 43:2598-2605, 2000.
218. Rosenbloom J, Saitta B, Gaidarova S, Sandorfi N, Rosenbloom JC, Abrams WR, Hamilton, AD, Sebti S, Kucich U, Jimenez SA. Inhibition of type I collagen gene expression in normal and systemic sclerosis fibroblasts by a specific inhibitor of geranylgeranyl transferase I. *Arthritis Rheum* 43:1624-1632, 2000.
213. Artlett C, Cox L, Jimenez S. Detection of cellular microchimerism of male or female origin in Systemic Sclerosis patients by PCR analysis of HLA-Cw alleles. *Arthritis Rheum* 43:1062-1067, 2000.
209. Dodge GR, Hawkins D, Boesler E, Sakai L, Jimenez SA. Production of cartilage oligomeric matrix protein (COMP) by cultured human dermal and synovial fibroblasts. *Osteoarthritis Cart* 6:435-440, 1998.
208. Sgonc R, Dietrich H, Sieberer C, Wick G, Christner P, Jimenez SA. Lack of endothelial cell apoptosis in the dermis of tight skin 1 and tight skin 2 mice. *Arthritis Rheum* 42:581-584, 1999.
207. Artlett CM, Chen S-J, Varga J, Jimenez SA. Modulation of basal expression of the human α 1(I) procollagen gene (Col1A1) by tandem NF-1/SP-1 promoter elements in normal human dermal fibroblasts. *Matrix Biol* 17:425-434, 1998.
206. Dharmavaram RM, Liu G, Tuan RS, Stokes DG, Jimenez SA. Stable transfection of human fetal chondrocytes with type II procollagen minigene: Expression of mutant protein and alterations in the structure of the extracellular matrix in vitro. *Arthritis Rheum* 42:1433-1442, 1999.
205. Hitraya EG, Varga J, Artlett CM, Jimenez SA. Identification of elements in the promoter of the α 1(1) procollagen gene involved in its upregulated expression in systemic sclerosis. *Arthritis Rheum* 41:2048-2058, 1998.

204. Siracusa LD, McGrath R, Fisher JK, Jimenez SA. The mouse tight skin (Tsk) phenotype is not dependent on the presence of mature T and B lymphocytes. *Mammalian Genome* 9:907-909, 1998.
201. Christner PJ, Hitraya E, Peters J, McGrath R, Jimenez SA. Transcriptional activation of the $\alpha 1(I)$ procollagen gene and upregulation of $\alpha 1(I)$ and $\alpha 1(III)$ procollagen mRNA in tight skin 2 (Tsk2) dermal fibroblasts. *Arthritis Rheum* 41:2132-2142, 1998.
200. Kielty CM, Raghunath M, Sherratt MJ, Peters J, Reiner P, Shuttleworth CA, Jimenez SA. The tight skin mouse: Demonstration of mutant fibrillin-1 and microfibrillar abnormalities. *J Cell Biol* 140:1159-1166, 1998.
195. Artlett C, Smith JB, Jimenez SA. Identification of fetal DNA and cells in biopsies from active skin lesions in women with systemic sclerosis. *N Engl J Med* 338:1186-1191, 1998.
194. Diaz A, Chepenik KP, Korn JH, Reginato AM, Jimenez SA. Differential regulation of cyclooxygenase 1 and 2 by interleukin-1 β , tumor necrosis factor- α , and transforming growth factor- $\beta 1$ in human lung fibroblasts. *Exp Cell Res* 241:222-229, 1998.
193. Dharmavaram RD, Liu G, Mowers SD, Jimenez SA. Detection and characterization of Sp1 binding activity in human chondrocytes and its alterations during chondrocyte dedifferentiation. *J Biol Chem* 272:26918-26925, 1997.
192. Artlett CM, Welsh KI, Black CM, Jimenez SA. Fetal-maternal HLA class II compatibility confers susceptibility to Systemic Sclerosis. *Immunogenetics* 47:17-22, 1997.
188. Hitraya EG and Jimenez SA. Transcriptional activation of the $\alpha 1(I)$ procollagen gene in systemic sclerosis dermal fibroblasts: role of intronic sequences. *Arthritis Rheum* 39:1347-1354, 1996.
183. Mori K, Hatamochi A, Ueki H, Olsen A, Jimenez SA. The Transcription of human $\alpha 1(I)$ collagen gene (COL1A1) is suppressed by tumor necrosis factor- α through proximal short promoter elements - evidence for suppression mechanisms mediated by two nuclear factor binding sites. *Biochem J* 319:811-816, 1996.
182. Siracusa LD, McGrath R, Ma Q, Manne J, Moskow JJ, Christner PJ, Buchberg AM, Jimenez SA. A tandem duplication within the *Fibrillin 1* gene is associated with the mouse *Tight skin* mutation. *Genome Res* 6:300-313, 1996.
177. Heimer R, Bashey RI, Kyle J, Jimenez SA. TGF- β modulates the synthesis of proteoglycans by myocardial fibroblasts in culture. *J Mol Cell Cardiol* 27:2191-2198, 1995.
176. Christner PJ, Peters J, Hawkins D, Siracusa LD, Jimenez SA. The tight skin 2 (*Tsk2*) mouse: An animal model of scleroderma displaying cutaneous fibrosis and mononuclear cell infiltration. *Arthritis Rheum* 38:1791-1798, 1995.
168. Chepenik KP, Diaz A, Jimenez SA. Epidermal growth factor coordinately regulates the expression of prostaglandin G/H synthase and cytosolic phospholipase A2 genes in embryonic mouse cells. *J Biol Chem* 269:21786-21792, 1994.
167. Munoz E, Suri D, Amini S, Khalili K, Jimenez SA. Stimulation of the expression of the $\alpha 1(I)$ procollagen gene expression in NIH-3T3 cells by the human T-cell leukemia virus type 1 (HTLV-1) tax gene. *J Clin Invest* 96:2413-2420, 1995.
166. Dodge GR, Boesler EW, Jimenez SA. Expression of the basement membrane heparan sulfate proteoglycan (Perlecan) in human synovium and cultured synovial cells. *Lab Invest* 73:649-657, 1995.