

Stanford



Christy Sandborg

Professor of Pediatrics (Rheumatology), Emerita

Pediatrics - Rheumatology

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Division of Pediatric Allergy, Immunology, and Rheumatology**

770 Welch Rd Ste 150

MC 5551

Palo Alto, CA 94304

Tel (650) 723-8295 **Fax** (650) 736-4344

- **Pediatric Rheumatology**

730 Welch Rd 2nd Fl

Palo Alto, CA 94304

Tel (650) 723-8295 **Fax** (650) 736-4344

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Elena Infeld - Administrative Associate

Email elinfeld@stanford.edu

Tel (650) 498-6073

Bio

CLINICAL FOCUS

- Pediatric Rheumatology

ACADEMIC APPOINTMENTS

- Emeritus (Active) Professor, Pediatrics - Rheumatology

ADMINISTRATIVE APPOINTMENTS

- Chief Experience Officer, Stanford Children's Health, (2019-2021)
- Vice President of Medical Affairs, Lucile Packard Children's Hospital at Stanford, (2012-2019)
- Associate Chair, Department of Pediatrics, (2008- present)
- Board of Directors, Member, Lucile Packard Children's Hospital at Stanford, (2008-2019)
- Chief of Staff, Lucile Packard Children's Hospital at Stanford, (2008-2012)
- Co-Director, Spectrum Child Health, Lucile Packard Children's Hospital and Stanford School of Medicine, (2005-2014)
- Chief of Pediatric Rheumatology, Stanford, (1997-2012)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chair, Board of Directors, Childhood Arthritis and Rheumatology Research Alliance, Inc (2019 - present)
- Member, Board of Directors, Childhood Arthritis and Rheumatology Research Alliance, Inc (2014 - present)
- Member, NIAMS Advisory Council, NIH (2014 - 2018)

- Member Arthritis FDA Advisory Panel, FDA (2007 - 2012)
- Member, Board of Directors, American College of Rheumatology (2006 - 2010)
- Chair, Childhood Arthritis and Rheumatology Research Alliance (2003 - 2007)
- Member, Board of Directors, Arthritis Foundation, Northern California Chapter (1999 - 2013)
- Member, Subboard of Pediatric Rheumatology, American Board of Pediatrics (1996 - 2002)

PROFESSIONAL EDUCATION

- Board Certification: Pediatric Rheumatology, American Board of Pediatrics (2019)
- Medical Education: UCLA David Geffen School Of Medicine Registrar (1977) CA
- Board Certification: Pediatrics, American Board of Pediatrics (1984)
- Residency: Children's Hospital Los Angeles (1979) CA
- Fellowship: Children's Hospital (1981) CA
- MD, UCLA , Medicine (1977)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The major emphasis of my early translational work was understanding the role of cytokines and cytokine inhibitors in immune and autoimmune diseases. With the emergence of anti-cytokine therapies become available clinically in the early 2000's, I pivoted to focusing on clinical research and trials. I have been a founder, leader and active researcher of the pediatric rheumatology research network (Childhood Arthritis and Rheumatology Research Alliance -CARRA) in 2002. CARRA now includes the vast majority of practicing pediatric rheumatologists and trainees in the US and Canada with over 500 members and 110 sites. The network supports a broad variety of clinical, epidemiologic, translational research, biospecimen repository and clinical trials, with multiple funding sources from NIH, Arthritis Foundation, not-for-for profit foundations and biopharma. I am currently the Chair of the Board of Directors of CARRA Inc which is now the largest investigator-initiated research network in pediatric rheumatology.

In the last 12 years, I have expanded my scholarly work to address the critical intersection between patient and family-centered care and related areas of faculty and trainee career development and mentoring, and wellbeing and professional fulfillment for physicians and the entire clinical team. To enhance our ability to provide the safest, highest quality care with the best outcomes and experience, we must both partner with patients and families and ensure the highest well-being, resilience and professional fulfillment in our workforce. Critical areas for my focus have been addressing health inequities and disparities at SCH and promoting diversity, equity, inclusion and justice throughout the organization.

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Cathy Tsin

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Pediatric Rheumatology (Fellowship Program)

Publications

PUBLICATIONS

- **Determinants of Tumor Necrosis Factor Inhibitor Use in Juvenile Spondyloarthritis and Impact on Clinical Disease Outcomes.** *ACR open rheumatology*
Oliver, M., Simard, J. F., Lee, T., Gerstbacher, D., Sandborg, C.
2021
- **Supporting Patient-Centered Care in the Pediatric Rheumatology Setting: Patient, Family and Provider Experiences with OurNotes**
Khalsa, U., Pooni, R., Sandborg, C., Balboni, I., Wayman, K., Lee, T.
WILEY.2021: 2225-2228
- **Pediatric subspecialty telemedicine use from the patient and provider perspective.** *Pediatric research*
Pooni, R., Pageler, N. M., Sandborg, C., Lee, T.
2021
- **Optimizing Professional Practice Evaluation to Enable a Nonpunitive Learning Health System Approach to Peer Review.** *Pediatric quality & safety*
Sandborg, C. I., Hartman, G. E., Su, F., Williams, G., Teufe, B., Wixson, N., Larson, D. B., Donnelly, L. F.
2021; 6 (1): e375
- **ACUTE LIVER FAILURE IN NEONATAL LUPUS ERYTHEMATOSUS: NOVEL TREATMENT WITH EXCHANGE TRANSFUSION, IVIG, AND STEROIDS**
Nguyen, E., Huang, A., Khalsa, U., Saarela, K., Sandborg, C., Ebel, N.
WILEY.2020: 131A-132A
- **Building a Viable Telemedicine Presence in Pediatric Rheumatology.** *Pediatric clinics of North America*
Pooni, R., Sandborg, C., Lee, T.
2020; 67 (4): 641-45
- **Long-term outcomes in patients with polyarticular juvenile idiopathic arthritis receiving adalimumab with or without methotrexate.** *RMD open*
Lovell, D. J., Brunner, H. I., Reiff, A. O., Jung, L., Jarosova, K., Nemcova, D., Mouy, R., Sandborg, C., Bohnsack, J. F., Elewaut, D., Gabriel, C., Higgins, G., Kone-Paut, et al
2020; 6 (2)
- **Building a Program on Well-Being: Key Design Considerations to Meet the Unique Needs of Each Organization** *ACADEMIC MEDICINE*
Shanafelt, T., Trockel, M., Ripp, J., Murphy, M., Sandborg, C., Bohman, B.
2019; 94 (2): 156-61
- **Estimating institutional physician turnover attributable to self-reported burnout and associated financial burden: a case study** *BMC HEALTH SERVICES RESEARCH*
Hamidi, M. S., Bohman, B., Sandborg, C., Smith-Coggins, R., de Vries, P., Albert, M. S., Murphy, M., Welle, D., Trockel, M. T.
2018; 18
- **Estimating institutional physician turnover attributable to self-reported burnout and associated financial burden: a case study.** *BMC health services research*
Hamidi, M. S., Bohman, B., Sandborg, C., Smith-Coggins, R., de Vries, P., Albert, M. S., Murphy, M. L., Welle, D., Trockel, M. T.
2018; 18 (1): 851
- **Building a Program on Well-Being: Key Design Considerations to Meet the Unique Needs of Each Organization.** *Academic medicine : journal of the Association of American Medical Colleges*
Shanafelt, T., Trockel, M., Ripp, J., Murphy, M. L., Sandborg, C., Bohman, B.
2018
- **IL1RN Variation Influences Both Disease Susceptibility and Response to Recombinant Human Interleukin-1 Receptor Antagonist Therapy in Systemic Juvenile Idiopathic Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Arthur, V. L., Shuldiner, E., Remmers, E. F., Hinks, A., Grom, A. A., Foell, D., Martini, A., Gattorno, M., Ozen, S., Prahald, S., Zeff, A. S., Bohnsack, J. F., Ilowite, et al
2018; 70 (8): 1319-30

- **An Integrated Career Coaching and Time-Banking System Promoting Flexibility, Wellness, and Success: A Pilot Program at Stanford University School of Medicine.** *Academic medicine : journal of the Association of American Medical Colleges*
Fassiottto, M., Simard, C., Sandborg, C., Valentine, H., Raymond, J.
2018; 93 (6): 881-887
- **An Integrated Career Coaching and Time Banking System Promoting Flexibility, Wellness, and Success: A Pilot Program at Stanford University School of Medicine** *Academic Medicine*
Fassiottto, M., Simard, C., Sandborg, C., Valentine, H., Raymond, J.
2018
- **Women in Academic Medicine: Measuring Stereotype Threat Among Junior Faculty** *JOURNAL OF WOMENS HEALTH*
Fassiottto, M., Hamel, E. O., Ku, M., Correll, S., Grewal, D., Lavori, P., Periyakoil, V. J., Reiss, A., Sandborg, C., Walton, G., Winkleby, M., Valentine, H.
2016; 25 (3): 292-298
- **A Multifaceted Mentoring Program for Junior Faculty in Academic Pediatrics** *TEACHING AND LEARNING IN MEDICINE*
Chen, M. M., Sandborg, C. I., Hudgins, L., Sanford, R., Bachrach, L. K.
2016; 28 (3): 320-328
- **HLA-DRB1*11 and variants of the MHC class II locus are strong risk factors for systemic juvenile idiopathic arthritis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ombrello, M. J., Remmers, E. F., Tachmazidou, I., Grom, A., Foell, D., Haas, J., Martini, A., Gattorno, M., Ozen, S., Prahalad, S., Zeff, A. S., Bohnsack, J. F., Mellins, et al
2015; 112 (52): 15970-15975
- **Women in Academic Medicine: Measuring Stereotype Threat Among Junior Faculty.** *Journal of women's health (2002)*
Fassiottto, M., Hamel, E. O., Ku, M., Correll, S., Grewal, D., Lavori, P., Periyakoil, V. J., Reiss, A., Sandborg, C., Walton, G., Winkleby, M., Valentine, H.
2015
- **Efficacy and Safety of Adalimumab in Adult Patients with Polyarticular Juvenile Idiopathic Arthritis**
Lovell, D., Ruperto, N., Reiff, A., Jung, L., Jarosova, K., Quartier, P., Sandborg, C., Bohnsack, J. F., Elewaut, D., Foeldvari, I., Rovensky, J., Giannini, E. H., Varothai, et al
WILEY-BLACKWELL.2015
- **Randomized, Double-Blind, Placebo-Controlled Trial of the Efficacy and Safety of Riloncept in the Treatment of Systemic Juvenile Idiopathic Arthritis** *ARTHRITIS & RHEUMATOLOGY*
Ilowite, N. T., Prather, K., Lokhnygina, Y., Schanberg, L. E., Elder, M., Milojevic, D., Verbsky, J. W., Spalding, S. J., Kimura, Y., Imundo, L. F., Punaro, M. G., Sherry, D. D., Tarvin, et al
2014; 66 (9): 2570-2579
- **Pilot Study of Reproductive Health Counseling in a Pediatric Rheumatology Clinic** *ARTHRITIS CARE & RESEARCH*
Ronis, T., Frankovich, J., Yen, S., Sandborg, C., Chira, P.
2014; 66 (4): 631-635
- **Secondary analysis of APPLE study suggests atorvastatin may reduce atherosclerosis progression in pubertal lupus patients with higher C reactive protein.** *Annals of the rheumatic diseases*
Ardoin, S. P., Schanberg, L. E., Sandborg, C. I., Barnhart, H. X., Evans, G. W., Yow, E., Mieszkalski, K. L., Ilowite, N. T., Eberhard, A., Imundo, L. F., Kimura, Y., Levy, D., von Scheven, et al
2014; 73 (3): 557-566
- **Using Registries to Identify Adverse Events in Rheumatic Diseases** *PEDIATRICS*
Lionetti, G., Kimura, Y., Schanberg, L. E., Beukelman, T., Wallace, C. A., Ilowite, N. T., Winsor, J., Fox, K., Natter, M., Sundry, J. S., Brodsky, E., Curtis, J. R., Del Gaizo, et al
2013; 132 (5): E1384-E1394
- **The Randomized Placebo Phase Study of Riloncept in the Treatment of Systemic Juvenile Idiopathic Arthritis**
Ilowite, N. T., Prather, K., Lokhnygina, Y., Schanberg, L. E., Elder, M., Milojevic, D., Verbsky, J. W., Spalding, S. J., Kimura, Y., Imundo, L. F., Punaro, M. G., Sherry, D. D., Tarvin, et al
WILEY-BLACKWELL.2013: S757-S758
- **Role of Interleukin-1 in Abnormal Monocyte Phenotype in Systemic Onset Juvenile Idiopathic Arthritis**
Zhang, Y., Macaubas, C., Klein, C., Pascual, M., Hay, A., Thompson, S. D., Sandborg, C. I., Ilowite, N. T., Mellins, E. D.

WILEY-BLACKWELL.2013: S932–S933

- **Changing the Culture of Academic Medicine to Eliminate the Gender Leadership Gap: 50/50 by 2020** *ACADEMIC MEDICINE*
Valantine, H., Sandborg, C. I.
2013; 88 (10): 1411–13
- **Shrinking Lung Syndrome as a Manifestation of Pleuritis: A New Model Based on Pulmonary Physiological Studies** *JOURNAL OF RHEUMATOLOGY*
Henderson, L. A., Loring, S. H., Gill, R. R., Liao, K. P., Ishizawar, R., Kim, S., Perlmutter-Goldenson, R., Rothman, D., Son, M. B., Stoll, M. L., Zemel, L. S., Sandborg, C., Dellaripa, et al
2013; 40 (3): 273–281
- **An i2b2-based, generalizable, open source, self-scaling chronic disease registry** *JOURNAL OF THE AMERICAN MEDICAL INFORMATICS ASSOCIATION*
Natter, M. D., Quan, J., Ortiz, D. M., Bousvaros, A., Ilowite, N. T., Inman, C. J., Marsolo, K., McMurry, A. J., Sandborg, C. I., Schanberg, L. E., Wallace, C. A., Warren, R. W., Weber, et al
2013; 20 (1): 172–179
- **A New Era in the Treatment of Systemic Juvenile Idiopathic Arthritis** *NEW ENGLAND JOURNAL OF MEDICINE*
Sandborg, C., Mellins, E. D.
2012; 367 (25): 2439–2440
- **Correlation analyses of clinical and molecular findings identify candidate biological pathways in systemic juvenile idiopathic arthritis** *BMC MEDICINE*
Ling, X. B., Macaubas, C., Alexander, H. C., Wen, Q., Chen, E., Peng, S., Sun, Y., Deshpande, C., Pan, K., Lin, R., Lih, C., Chang, S. P., Lee, et al
2012; 10
- **Algorithm development for corticosteroid management in systemic juvenile idiopathic arthritis trial using consensus methodology** *PEDIATRIC RHEUMATOLOGY*
Ilowite, N. T., Sandborg, C. I., Feldman, B. M., Grom, A., Schanberg, L. E., Giannini, E. H., Wallace, C. A., Schneider, R., Kenney, K., Gottlieb, B., Hashkes, P. J., Imundo, L., Kimura, et al
2012; 10
- **European ancestry decreases the risk of early onset, severe lupus nephritis in a single center, multiethnic pediatric lupus inception cohort** *LUPUS*
Frankovich, J. D., Hsu, J. J., Sandborg, C. I.
2012; 21 (4): 421–429
- **Use of atorvastatin in systemic lupus erythematosus in children and adolescents** *ARTHRITIS AND RHEUMATISM*
Schanberg, L. E., Sandborg, C., Barnhart, H. X., Ardoin, S. P., Yow, E., Evans, G. W., Mieszkalski, K. L., Ilowite, N. T., Eberhard, A., Imundo, L. F., Kimura, Y., von Scheven, E., Silverman, et al
2012; 64 (1): 285–296
- **The Childhood Arthritis & Rheumatology Research Alliance Network Registry: Demographics and Characteristics of the Initial One Year Cohort** *75th Annual Scientific Meeting of the American-College-of-Rheumatology/46th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals (ARHP)*
Natter, M. D., Winsor, J. R., Fox, K. A., Ilowite, N. T., Mandl, K. D., Mieszkalski, K. L., Sandborg, C. I., Sundry, J. S., Wallace, C. A., Schanberg, L. E.
WILEY-BLACKWELL.2011: S291–S292
- **A Secondary Analysis of the Atherosclerosis Prevention in Pediatric Lupus Erythematosus (APPLE) Study Shows That Atorvastatin Therapy Reduces Progression of Carotid Intima Medial Thickening in Pubertal SLE Patients with Higher C Reactive Protein**
Ardoin, S. P., Schanberg, L. E., Sandborg, C. I., Barnhart, H., Yow, E., Evans, G., Mieszkalski, K., Ilowite, N. T., von Scheven, E., Eberhard, B., Imundo, L. F., Levy, D. M., Kimura, et al
WILEY-BLACKWELL.2011: S784–S785
- **Real-Time, Cohort-Based Clinical Decision Support Using a Novel Bioinformatics Platform to Assess Thrombotic Risk in a Critically Ill Pediatric Patient with Systemic Lupus Erythematosus**
Frankovich, J. D., Longhurst, C., Sutherland, S., Sandborg, C. I.
WILEY-BLACKWELL.2011: S806
- **CD146+ Endothelial Progenitor Cell Number Increases Following 36 Months of Atorvastatin Therapy in Children and Adolescents with SLE: The Atherosclerosis Prevention in Pediatric Lupus Erythematosus (APPLE) Cohort.**
Ardoin, S. P., Povsic, T., Schanberg, L. E., Sandborg, C. I., Barnhart, H., Yow, E., Evans, G., Mieszkalski, K. L., Ilowite, N. T., von Scheven, E., Eberhard, B., Imundo, L. F., Kimura, et al
WILEY-BLACKWELL.2011: S797–S798

- **Implementing an Interoperable Personal Health Record in Pediatrics: Lessons Learned at an Academic Children's Hospital.** *Journal of participatory medicine*
Anoshiravani, A., Gaskin, G., Kopetsky, E., Sandborg, C., Longhurst, C. A.
2011; 3
- **Plasma profiles in active systemic juvenile idiopathic arthritis: Biomarkers and biological implications** *PROTEOMICS*
Ling, X. B., Park, J. L., Carroll, T., Nguyen, K. D., Lau, K., Macaubas, C., Chen, E., Lee, T., Sandborg, C., Milojevic, D., Kanegaye, J. T., Gao, S., Burns, et al
2010; 10 (24): 4415-4430
- **Behcet's disease and heart transplantation: A word of caution** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Hollander, S. A., Yasnovsky, J. R., Reinhartz, O., Chan, F., Sandborg, C., Hunt, S., Bernstein, D., Chin, C.
2010; 29 (11): 1306-1308
- **Living Profiles: Design of a health media platform for teens with special healthcare needs** *JOURNAL OF BIOMEDICAL INFORMATICS*
Chira, P., Nugent, L., Miller, K., Park, T., Donahue, S., Soni, A., Nugent, D., Sandborg, C.
2010; 43 (5): S9-S12
- **Laboratory markers of cardiovascular risk in pediatric SLE: the APPLE baseline cohort** *LUPUS*
Ardoin, S. P., Schanberg, L. E., Sandborg, C., Yow, E., Barnhart, H. X., Mieszkalski, K. L., Ilowite, N. T., von Scheven, E., Eberhard, A., Levy, D. M., Kimura, Y., Silverman, E., Bowyer, et al
2010; 19 (11): 1315-1325
- **Decrease in Hospital-wide Mortality Rate After Implementation of a Commercially Sold Computerized Physician Order Entry System** *PEDIATRICS*
Longhurst, C. A., Parast, L., Sandborg, C. I., Widen, E., Sullivan, J., Hahn, J. S., Dawes, C. G., Sharek, P. J.
2010; 126 (1): 14-21
- **PEDIATRIC RHEUMATIC DISEASE Standards of care for JIA-the basic foundation for quality** *NATURE REVIEWS RHEUMATOLOGY*
Sandborg, C.
2010; 6 (7): 389-390
- **Distribution of circulating cells in systemic juvenile idiopathic arthritis across disease activity states** *CLINICAL IMMUNOLOGY*
Macaubas, C., Nguyen, K., Deshpande, C., Phillips, C., Peck, A., Lee, T., Park, J. L., Sandborg, C., Mellins, E. D.
2010; 134 (2): 206-216
- **Premature Atherosclerosis in Pediatric Systemic Lupus Erythematosus** *ARTHRITIS AND RHEUMATISM*
Schanberg, L. E., Sandborg, C., Barnhart, H. X., Ardoin, S. P., Yow, E., Evans, G. W., Mieszkalski, K. L., Ilowite, N. T., Eberhard, A., Levy, D. M., Kimura, Y., von Scheven, E., Silverman, et al
2009; 60 (5): 1496-1507
- **Evaluation of serum Autoantibodies from a cohort of pediatric systemic lupus erythematosus patients using autoantigen Microarray technology**
Balboni, I., Limb, C., Sandborg, C. I., Utz, P. J.
WILEY-LISS.2008: S502
- **Adalimumab with or without methotrexate in juvenile rheumatoid arthritis** *NEW ENGLAND JOURNAL OF MEDICINE*
Lovell, D. J., Ruperto, N., Goodman, S., Reiff, A., Jung, L., Jarosova, K., Nemcova, D., Mouy, R., Sandborg, C., Bohnsack, J., Elewaut, D., Foeldvari, I., Gerloni, et al
2008; 359 (8): 810-820
- **Therapy Insight: cardiovascular disease in pediatric systemic lupus erythematosus** *NATURE CLINICAL PRACTICE RHEUMATOLOGY*
Sandborg, C., Ardoin, S. P., Schanberg, L.
2008; 4 (5): 258-265
- **Management of dyslipidemia in children and adolescents with systemic lupus erythematosus** *LUPUS*
Ardoin, S. P., Sandborg, C., Schanberg, L. E.
2007; 16 (8): 618-626
- **Availability of pediatric rheumatology training in United States pediatric residencies.** *Arthritis and rheumatism*
Mayer, M. L., Brogan, L., Sandborg, C. I.
2006; 55 (6): 836-842

- **Availability of pediatric rheumatology training in United States pediatric residencies** *ARTHRITIS & RHEUMATISM-ARTHRITIS CARE & RESEARCH*
Mayer, M. L., Brogan, L., Sandborg, C. I.
2006; 55 (6): 18A-24A
- **Rafting the ethical rapids.** *HEC forum : an interdisciplinary journal on hospitals' ethical and legal issues*
Collier, J., Rorty, M., Sandborg, C.
2006; 18 (4): 332-341
- **Candidate early predictors for progression to joint damage in systemic juvenile idiopathic arthritis** *JOURNAL OF RHEUMATOLOGY*
Sandborg, C., Holmes, T. H., Lee, T., Biederman, K., Bloch, D. A., Emery, H., McCurdy, D., Mellins, E. D.
2006; 33 (11): 2322-2329
- **Systemic hyalinosis: A distinctive early childhood-onset disorder characterized by mutations in the anthrax toxin receptor 2 gene (ANTRX2)** *PEDIATRICS*
Shieh, J. T., Swidler, P., Martignetti, J. A., Ramirez, M. C., Balboni, I., Kaplan, J., Kennedy, J., Abdul-Rahman, O., Enns, G. M., Sandborg, C., Slavotinek, A., Hoyme, H. E.
2006; 118 (5): E1485-E1492
- **Neuropsychiatric manifestations in pediatric systemic lupus erythematosus and association with antiphospholipid antibodies** *JOURNAL OF RHEUMATOLOGY*
Harel, L., Sandborg, C., Lee, T., von Scheven, E.
2006; 33 (9): 1873-1877
- **Summary of the 2005 annual research and education meeting of the Spondyloarthritis Research and Therapy Network (SPARTAN).** *journal of rheumatology*
Ward, M. M., Bruckel, J., Colbert, R., Doedhar, A., Emerson, C., Genant, H., Gladman, D. D., Inman, R., Reveille, J. D., Sandborg, C., Weisman, M. H., Davis, J. C.
2006; 33 (5): 978-982
- **The future of rheumatology research: the Childhood Arthritis and Rheumatology Research Alliance.** *Current problems in pediatric and adolescent health care*
Sandborg, C.
2006; 36 (3): 104-109
- **Outcomes of juvenile rheumatoid arthritis (JRA): Changing treatment patterns and outcomes.** *69th Annual Scientific Meeting of the American-College-of-Rheumatology/40th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
GOTTLIEB, B., Sison, C., Higgins, G., Huber, A., Kimura, Y., Lovell, D., Hashkes, P., Sandborg, C., Rabinovich, C. E., Wallace, C., Wagner-Weiner, L., Lindsley, C., Szer, et al
WILEY-BLACKWELL.2005: S81-S82
- **Barriers in NIH funded multicenter pediatric trials: Atherosclerosis prevention in pediatric lupus erythematosus (APPLE) case study.**
Sandborg, C., Schanberg, L., McLendon, C., APPLE Investigators
WILEY-BLACKWELL.2005: S537-S538
- **History of infection before the onset of juvenile dermatomyositis: Results from the National Institute of Arthritis and Musculoskeletal and Skin Diseases Research Registry** *ARTHRITIS & RHEUMATISM-ARTHRITIS CARE & RESEARCH*
Pachman, L. M., Lipton, R., Ramsey-Goldman, R., Shamiyeh, E., Abbott, K., Mendez, E. P., Dyer, A., McCurdy, D., Vogler, L., Reed, A., Cawkwell, G., Zemel, L., Sandborg, et al
2005; 53 (2): 166-172
- **The first step: DNAR outside the hospital and the role of pediatric medical care providers** *AMERICAN JOURNAL OF BIOETHICS*
Collier, J., Sandborg, C.
2005; 5 (1): 85-86
- **Dyslipoproteinemia and premature atherosclerosis in pediatric systemic lupus erythematosus.** *Current rheumatology reports*
Schanberg, L. E., Sandborg, C.
2004; 6 (6): 425-433
- **Atherosclerosis prevention in pediatric lupus erythematosus: Apple trial design.** *68th Annual Scientific Meeting of the American-College-of-Rheumatology/39th Annual Scientific Meeting of the Association-of-Rheumatology-Health-Professionals*
Schanberg, L., Sandborg, C., Allen, A., Riley, W., Provencale, J., McClendon, C., Li, J.
WILEY-BLACKWELL.2004: S532-S532

- **Adolescent rheumatology transitional care: steps to bringing health policy into practice** *RHEUMATOLOGY*
Chira, P., Sandborg, C.
2004; 43 (6): 687-689
- **Frontal lobe seizures and uveitis associated with acute human parvovirus B19 infection** *JOURNAL OF CHILD NEUROLOGY*
Hsu, D., Sandborg, C., Hahn, J. S.
2004; 19 (4): 304-306
- **Role of pediatric and internist rheumatologists in treating children with rheumatic diseases** *PEDIATRICS*
Mayer, M. L., Sandborg, C. I., Mellins, E. D.
2004; 113 (3): E173-E181
- **Access to pediatric rheumatology care in the United States** *ARTHRITIS & RHEUMATISM-ARTHRITIS CARE & RESEARCH*
Mayer, M. L., Mellins, E. D., Sandborg, C. I.
2003; 49 (6): 759-765
- **Novel therapies in pediatric rheumatic diseases** *CURRENT OPINION IN PEDIATRICS*
Chira, P., Sandborg, C. I.
2003; 15 (6): 579-585
- **Magnetic resonance imaging in the diagnosis and follow up of Takayasu's arteritis in children** *ANNALS OF THE RHEUMATIC DISEASES*
Aluquin, V. P., Albano, S. A., Chan, F., Sandborg, C., Pitlick, P. T.
2002; 61 (6): 526-529
- **Expression of autoimmunity in the transition from childhood to adulthood: Role of cytokines and gender** *JOURNAL OF ADOLESCENT HEALTH*
Sandborg, C.
2002; 30 (4): 76-80
- **Type 1 diabetes mellitus and epilepsy partialis continua in a 6-year-old boy with elevated anti-GAD65 antibodies** *PEDIATRICS*
Olson, J. A., Olson, D. M., Sandborg, C., Alexander, S., Buckingham, B.
2002; 109 (3)
- **Systemic lupus erythematosus and antiphospholipid syndrome in children and adolescents** *CURRENT OPINION IN RHEUMATOLOGY*
Lee, T., von Scheven, E., Sandborg, C.
2001; 13 (5): 415-421
- **Development of systemic lupus erythematosus following autologous bone marrow transplant for acute lymphocytic leukemia** *JOURNAL OF RHEUMATOLOGY*
Steinbach, W. J., Sandborg, C. I.
2001; 28 (6): 1467-1468
- **Congenital junctional ectopic tachycardia: A proposed etiology**
Dubin, A. M., Van Hare, G. F., Druzin, M., Sandborg, C., Shirai, L. K., Bernstein, D., Rosenthal, D. N.
LIPPINCOTT WILLIAMS & WILKINS.2000: 698-+
- **A randomized trial of methotrexate in newly diagnosed patients with type 1 diabetes mellitus** *CLINICAL IMMUNOLOGY*
Buckingham, B. A., Sandborg, C. I.
2000; 96 (2): 86-90
- **Position statement of the American college of rheumatology regarding referral of children and adolescents to pediatric rheumatologists** *ARTHRITIS CARE AND RESEARCH*
Sandborg, C. I., Wallace, C. A.
1999; 12 (1): 48-51
- **Progressive multifocal leukoencephalopathy in a 15-year-old boy with scleroderma and secondary amyloidosis** *PEDIATRICS*
Hahn, J. S., Harris, B. T., Gutierrez, K., Sandborg, C.
1998; 102 (6): 1475-1479
- **Childhood systemic lupus erythematosus and neonatal lupus syndrome.** *Current opinion in rheumatology*
Sandborg, C. I.

1998; 10 (5): 481-487

- **Interleukin-4 (IL-4) and IL-4 antagonist, IL-482, expression in synovial fluid from patients with juvenile rheumatoid arthritis (JRA)**
McCurdy, D. K., Zaldivar, F., Sandborg, C., Imfeld, K., Berman, M.
LIPPINCOTT WILLIAMS & WILKINS.1998: S49
- **Low IL-4 production by PHA stimulated PBMC from patients at the onset of acute immune thrombocytopenia (ITP).**
Sandborg, C., Berman, M., Imfeld, K., Zaldivar, F., Buckingham, B., Nugent, D.
LIPPINCOTT WILLIAMS & WILKINS.1998: S130
- **Depressed IL-4 levels in children with acute and chronic immune thrombocytopenia (ITP)**
Nugent, D., Berman, M., Imfeld, K., Dadufalza, Sandborg, C.
FEDERATION AMER SOC EXP BIOL.1998: A609
- **Interleukin 1 alpha (IL-1 alpha) promoter activity in human T cells.**
Zaldivar, F., Berman, M. A., Imfeld, K. L., Sandborg, C. I.
FEDERATION AMER SOC EXP BIOL.1998: A263
- **Decreased IL-4 production in new onset type I insulin-dependent diabetes mellitus** *JOURNAL OF IMMUNOLOGY*
Berman, M. A., Sandborg, C. I., Wang, Z. S., Imfeld, K. L., Zaldivar, F., Dadufalza, V., Buckingham, B. A.
1996; 157 (10): 4690-4696
- **Pediatric rheumatology clinic populations in the United States: Results of a 3 year survey** *JOURNAL OF RHEUMATOLOGY*
Bowyer, S., Roettcher, P., Miller, L., Tucker, L., Schaller, J. G., Denardo, B., Sundel, R., Samler, D., Zemel, L., Ilowite, N., LoGalbo, P., Lehman, T., Baum, et al
1996; 23 (11): 1968-1974
- **IL-4 EXPRESSION IN HUMAN T-CELLS IS SELECTIVELY INHIBITED BY IL-1-ALPHA AND IL-1-BETA** *JOURNAL OF IMMUNOLOGY*
Sandborg, C. I., Imfeld, K. L., Zaldivar, F., Wang, Z. S., Buckingham, B. A., Berman, M. A.
1995; 155 (11): 5206-5212
- **HIV TYPE-1 INDUCTION OF INTERLEUKIN-1 AND INTERLEUKIN-6 PRODUCTION BY HUMAN THYMIC CELLS** *AIDS RESEARCH AND HUMAN RETROVIRUSES*
Sandborg, C. I., Imfeld, K. L., Zaldivar, F., Berman, M. A.
1994; 10 (10): 1221-1229
- **HIV-1 INFECTION OF MACROPHAGES PROMOTES LONG-TERM SURVIVAL AND SUSTAINED-RELEASE OF INTERLEUKIN-1-ALPHA AND INTERLEUKIN-6** *AIDS RESEARCH AND HUMAN RETROVIRUSES*
Berman, M. A., Zaldivar, F., Imfeld, K. L., Kenney, J. S., Sandborg, C. I.
1994; 10 (5): 529-539
- **A NATURALLY-OCCURRING 6-9-KILODALTON INTERLEUKIN-1 (IL-1) INHIBITOR PREVENTS IL-1-MEDIATED ISLET CYTOTOXICITY BUT NOT IL-1-MEDIATED SUPPRESSION OF INSULIN-SECRETION** *JOURNAL OF IMMUNOTHERAPY*
KAWAHARA, D. J., Everts, M., Buckingham, B., Sandborg, C., Berman, M.
1991; 10 (3): 182-188
- **INTERLEUKIN-1 AND A 7-KDA T-CELL INHIBITORY MONOKINE REFLECT DISEASE-ACTIVITY IN INFECTION WITH HIV-1** *JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES AND HUMAN RETROVIROLOGY*
Sandborg, C. I., Berman, M. A., Imfeld, K. L., Cesario, T. C., Zaldivar, F.
1990; 3 (12): 1148-1154
- **MODULATION OF IL-1-ALPHA, IL-1-BETA, AND 25K MR NON-IL-1 ACTIVITY RELEASED BY HUMAN MONONUCLEAR-CELLS** *JOURNAL OF LEUKOCYTE BIOLOGY*
Sandborg, C. I., Berman, M. A., Imfeld, K. L., Zaldivar, F., MASADA, M. P., Kenney, J. S.
1989; 46 (5): 417-427
- **CHANGES IN CIRCULATING MONOCYTES IN PATIENTS WITH PROGRESSIVE SYSTEMIC-SCLEROSIS** *JOURNAL OF RHEUMATOLOGY*
Andrews, B. S., FRIOU, G. J., Berman, M. A., Sandborg, C. I., Mirick, G. R., Cesario, T. C.
1987; 14 (5): 930-935
- **INTERLEUKIN-1 INHIBITOR MASKS HIGH INTERLEUKIN-1 PRODUCTION IN ACQUIRED-IMMUNODEFICIENCY-SYNDROME (AIDS)** *CLINICAL IMMUNOLOGY AND IMMUNOPATHOLOGY*

-
- Berman, M. A., Sandborg, C. I., CALABIA, B. S., Andrews, B. S., FRIOU, G. J.
1987; 42 (1): 133-140
- **INCREASED PRODUCTION OF AN INTERLEUKIN-1 (IL-1) INHIBITOR WITH FIBROBLAST STIMULATING ACTIVITY BY MONONUCLEAR-CELLS FROM PATIENTS WITH SCLERODERMA** *CLINICAL AND EXPERIMENTAL IMMUNOLOGY*
Sandborg, C. I., Berman, M. A., Andrews, B. S., Mirick, G. R., FRIOU, G. J.
1986; 66 (2): 312-319
 - **SKIN, JOINT, AND PULMONARY CHANGES IN TYPE-I DIABETES-MELLITUS** *AMERICAN JOURNAL OF DISEASES OF CHILDREN*
Buckingham, B., PEREJDA, A. J., Sandborg, C., KERSHNAR, A. K., UITTO, J.
1986; 140 (5): 420-423
 - **LOSS OF EPIDERMAL LANGERHANS CELLS AND ENDOTHELIAL-CELL HLA-DR ANTIGENS IN THE SKIN IN PROGRESSIVE SYSTEMIC-SCLEROSIS** *JOURNAL OF RHEUMATOLOGY*
Andrews, B. S., FRIOU, G. J., Barr, R. J., Mirick, G. R., Berman, M., Sandborg, C., Ross, P. A.
1986; 13 (2): 341-348
 - **STUDIES OF AN INTERLEUKIN-1 INHIBITOR - CHARACTERIZATION AND CLINICAL-SIGNIFICANCE** *CLINICAL AND EXPERIMENTAL IMMUNOLOGY*
Berman, M. A., Sandborg, C. I., CALABIA, B. S., Andrews, B. S., FRIOU, G. J.
1986; 64 (1): 136-145
 - **INTERLEUKIN-1 PRODUCTION BY MONONUCLEAR-CELLS FROM PATIENTS WITH SCLERODERMA** *CLINICAL AND EXPERIMENTAL IMMUNOLOGY*
Sandborg, C. I., Berman, M. A., Andrews, B. S., FRIOU, G. J.
1985; 60 (2): 294-302
 - **SCLERODERMA-LIKE CHANGES IN INSULIN-DEPENDENT DIABETES-MELLITUS - CLINICAL AND BIOCHEMICAL-STUDIES** *DIABETES CARE*
Buckingham, B. A., UITTO, J., Sandborg, C., Keens, T., Roe, T., Costin, G., KAUFMAN, F., Bernstein, B., Landing, B., Castellano, A.
1984; 7 (2): 163-169
 - **NEONATAL HYPER-NATREMIA ASSOCIATED WITH ELEVATED SODIUM CONCENTRATION OF BREAST-MILK** *JOURNAL OF PEDIATRICS*
Anand, S. K., Sandborg, C., Robinson, R. G., Lieberman, E.
1980; 96 (1): 66-68
 - **COMPETITION FOR HOST ESSENTIAL AND NONESSENTIAL FATTY-ACIDS BY EHRlich ASCITES-CARCINOMA IN MICE** *CANCER RESEARCH*
Baker, N., Sandborg, C., Morris, D., Ookhtens, M.
1977; 37 (7): 2218-2225
 - **BLOOD-SAMPLING TECHNIQUES FOR STUDYING RAPIDLY TURNING OVER METABOLIC FUELS IN MICE** *LIPIDS*
Baker, N., Morris, D., Sandborg, C.
1976; 11 (11): 818-820