

**CURRICULUM VITAE
SARBJIT SINGH SAINI, M.D.**

January 15, 2006

CURRENT APPOINTMENT: Assistant Professor, Department of Medicine
Division of Clinical Immunology,
Johns Hopkins Univ. School of Medicine

Active Clinical Staff
Johns Hopkins Hospital

EDUCATION AND TRAINING:

Undergraduate:

B.S. 1984-86 The University of Akron,
Akron, Ohio
Natural Sciences, *summa cum laude*

Graduate and Professional:

1987 Summer Fellowship, Cellular Immunology
National Institute of Dental Research, National Institutes of Health
Bethesda, Maryland
Preceptor: Phillip D. Smith, M.D.

1988-89 Research Fellowship, Laboratory of Immunology
National Institute of Dental Research, National Institutes of Health
Bethesda, Maryland
Preceptors: Phillip D. Smith, M.D. and Sharon Wahl, Ph.D.

M.D. 1986-91 The Ohio State University College of Medicine
Columbus, Ohio

Postdoctoral Training:

1991-94 University of Michigan Hospitals
Internship and Residency in Internal Medicine
Ann Arbor, Michigan

1994-97 The Johns Hopkins University School of Medicine
Fellowship in Allergy and Immunology
Division of Clinical Immunology
Department of Medicine
Baltimore, Maryland

CERTIFICATION:*Medical Board Certification:*

- 1994 Diplomate: American Board of Internal Medicine
- 1997 Diplomate: American Board of Allergy and Immunology,

PROFESSIONAL EXPERIENCE:

- 1997-1998 Instructor in Medicine
Department of Medicine, Division of Clinical Immunology
Johns Hopkins University School of Medicine
- 1998-present Assistant Professor
Department of Medicine, Division of Clinical Immunology
Johns Hopkins University School of Medicine

PROFESSIONAL ACTIVITIES:*Membership and Participation in Professional Societies:*

- American College of Physicians, 1991
American Academy of Allergy, Asthma & Immunology, 1994; Fellow, 2002
Mechanisms of Allergy Committee member, 1997
Abstract Selection Committee, 2005
Urticaria and Angioedema Committee, 2004
American College of Allergy, Asthma and Immunology, 1994

Editorial Activities:

Ad Hoc Reviewer

- Journal of Allergy and Clinical Immunology
Archives of Allergy
American Journal of Respiratory Cell and Molecular Biology
The Journal of Respiratory Diseases
Clinical Immunology
Immunology
Journal of the American Academy of Dermatology
Annals of Internal Medicine
Journal of Investigative Dermatology

Section Editor

- Allergic Dermatoses and Urticaria, Current Allergy and Asthma Reports
Manual of Clinical Laboratory Immunology, 7th Edition
Clinical Reviews in Allergy and Immunology

HONORS AND AWARDS:

- 1988 Landacre Society Student Research Forum, First-place Oral Presentation
The Ohio State University College of Medicine
- 1994 Resident Research Award, Dept. of Internal Medicine, Univ. of Michigan
- 1996 Distinguished Residents and Fellows Asthma Education Program
The National Heart and Lung Institute, London, United Kingdom
- 2004 AAAAI Interest Section Award, Mechanisms of Allergy

INSTITUTIONAL ADMINISTRATIVE APPOINTMENTS:

- 1999 Clinical Fellowship Review Committee
- 1999- present Executive Committee, Division of Clinical Immunology
- 2003 Division of Immunology Retreat, Facilitator
- 2004-present Associate Training Program Director, Allergy and Immunology Fellowship

INVITED LECTURES:

- 1999
14thFrontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, "Stepwise Approach to the Treatment of Rhinitis."

Merck Second Annual Respiratory Young Investigators Meeting, New York, "Regulation of Fc ϵ RI α expression in human basophils"
- 2000
15thFrontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, "Inhaled Corticosteroids: Risks Vs Benefits"

Grand Rounds at Christiana Hospital, Newark, Delaware, "Novel Treatments for Allergic Disease."

Grand Rounds at Harbor Hospital, Baltimore, Maryland. "New Therapies in Allergic Disease".

Ninth Asthma, Allergy and Immunology Update for Nurses and Allied Health Professionals, Johns Hopkins University School of Medicine, "Rhinitis".
- 2001
57th AAAAI Meeting, New Orleans, Louisiana, Immunology Review Course: Immunologic Mechanisms of Allergy," IgE : Biology, Receptors and Regulation".

16thFrontiers in Research and Clinical Management of Asthma and Allergy, Johns

Hopkins Asthma and Allergy Center, "Strategies for Combination Therapy in the Management of Allergic Rhinitis"

16thFrontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, "Safety perspectives with Inhaled Corticosteroids"

Literature Review for the ABAI Exam 2001, Chicago, Illinois, " IgE Receptors and Regulation: Biochemical Events and Mediator Measurement.

Plasma Forum 2001, Baltimore, MD," Current research on the clinical use of Anti-IgE for Asthma and Allergies"

2002 Internal Medicine Grand Rounds at York Hospital, York, Pennsylvania "Novel treatments for allergic disease"

58th AAAAI Meeting, New York, New York, Seminar," Targeting the IgE Receptor: Inside and Out."

17thFrontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, "Perspectives on Use of Anti-IgE Therapy "

17thFrontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, "Safety Perspectives with Inhaled Corticosteroids"

Allergy and Clinical Immunology Conference at duPont Hospital for Children, "IgE antibody".

Anesthesiology and Perioperative Medicine Case Conference Series, Franklin Square Hospital, Baltimore, MD,"What's New in Asthma".

Novartis Scientific Operations National Meeting, "Role of IgE in Asthma and Anti-inflammatory Actions of Omalizumab".

2003 59^h AAAAI Meeting, Denver, Colorado, Seminar," Targeting the IgE Receptor: Inside and Out."

48th Annual Phillip A. Tumulty Topics in Clinical Medicine, Johns Hopkins University School of Medicine, " Angioedema and Chronic Urticaria".

Boston Citywide Allergy and Immunology , Boston MA, "Targeting IgE: Rational use of anti-IgE in allergic disease."

Dermatology Grand Rounds, Johns Hopkins Hospital, " Immediate Hypersensitivity"

University of South Florida, Allergy and Immunology Grand Rounds Series, " IgE and Asthma",

University of South Florida, Allergy Clinical Conference, "Signaling defects in chronic urticaria".

2004

Washington DC VA Hospital, Medicine Grand rounds, "Targeting IgE in Asthma"

60st AAAAI Meeting, San Francisco, California, Seminar, "Signaling defects in mast cells and basophils from patients with Chronic Idiopathic Urticaria."

60st AAAAI Meeting, San Francisco, California, "Anti-IgE Therapy and Basophil Activation."

49th Annual Phillip A. Tumulty Topics in Clinical Medicine, Johns Hopkins University School of Medicine, "Immunomodulators in Allergic Disease".

12th International Congress of Immunology and the 4th Annual Conference of FOCIS, Montreal, Canada "High Affinity of IgE: Receptor and Expression."

Allergy and Immunology Grand Rounds, Winthrop University Hospital, Mineola, NY, "Chronic Urticaria: Defects in IgE Receptor Signaling."

2005

Cleveland Clinic Foundation Medical Grand Rounds, "New Horizons in the Treatment of Allergic Disease."

Cleveland Allergy Society, Cleveland, Ohio "Current Concepts in Chronic urticaria."

61st AAAAI Meeting, San Antonio, Texas, Seminar, "Signaling defects in mast cells and basophils from patients with Chronic Idiopathic Urticaria."

19thFrontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, "Anti-IgE Therapy: Lessons from the Clinic."

19thFrontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, "Urticaria: The Masquerade is Over. "

TEACHING:

Classroom, Seminar or Teaching Laboratory:

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| 1995-02 | Immediate Hypersensitivity Unit, Human Pathophysiology, Johns Hopkins University School of Medicine, Small group leader. |
| 1996-97 | Preceptorship for Merck & Co., Inc. Health Science Associates, Johns Hopkins Asthma and Allergy Center, Case discussant. |
| 1996-03 | Comprehensive Allergy and Immunology Review, Johns Hopkins Asthma and Allergy Center, Coordinator. |
| 1997 | Frontiers in Research and Clinical Management of Asthma and Allergy, Johns Hopkins Asthma and Allergy Center, Case discussant. |

1998-02	Johns Hopkins Internal Medicine Board Review Course, Allergy and Immunology Section.
1998	"Differential Diagnosis of Asthma", Glaxo Wellcome Preceptorship, in Allergic Diseases, Johns Hopkins Asthma and Allergy Center.
1998	Immediate Hypersensitivity Immunology Unit, Human Pathophysiology, Johns Hopkins University School of Medicine, Lecturer.
1998-04	Fellows Orientation Conferences, Johns Hopkins Division of Allergy and Clinical Immunology, "Anaphylaxis/ Allergic Emergencies."
1998-04	Fellows Orientation Conferences, Johns Hopkins Division of Allergy and Clinical Immunology, "Biology of IgE and IgG receptors."
2001-04	Immediate Hypersensitivity Immunology Unit, Human Pathophysiology, Johns Hopkins University School of Medicine, Lecturer.
2002-04	Allergy Unit, Graduate Immunology, Johns Hopkins University School of Medicine, Lecturer.
2002-04	Fellows Orientation Conferences, Johns Hopkins Division of Allergy and Clinical Immunology, "Diagnosis and treatment of urticaria and angioedema."
2003	Noon Conference, Johns Hopkins Bayview Internal Medicine Residents, "Chronic Urticaria and Angioedema".
2004	Allergy and Clinical Immunology Conference, "Update on Omalizumab"
2004	Allergy and Clinical Immunology Conference "Update on Chronic Urticaria."
2004	Clinical Allergy Grand Rounds- Johns Hopkins Division of Allergy and Clinical Immunology December 2004

Clinical Instruction or Attending Responsibilities:

1995	Cardiac Examination, Physical Diagnosis, Johns Hopkins University School of Medicine.
1997	Glaxo Wellcome Physician Preceptorship, Johns Hopkins Asthma and Allergy Center, Case discussant.
1998	Glaxo Wellcome Preceptorship in Allergic Diseases, Johns Hopkins Asthma and Allergy Center.
1994-03	Outpatient Clinics, Johns Hopkins Asthma & Allergy Center. Internal Medicine Resident Rotations, Preceptor.
1996, 98	Outpatient Clinic, Johns Hopkins Asthma & Allergy Center Medical Student Ambulatory Clerkships.

- 2001-05 Bayview Ambulatory Specialties Interdisciplinary Curriculum (BASIC), Allergy outpatient clinic rotations for internal medicine residents.
- 2003- Coordinator, CASE II and Allergy Elective, Osler Residency program.
- 1997-03 Allergy/Clinical Immunology Consult Attending
- 2005 Resident's report, A case of acquired angioedema

Mentoring (pre- and post-doctoral)

Advisees:

Pre-doctoral:

- 2000-2002 Frank Huang, Johns Hopkins University, BA program in Biology, Research project supervisor.
- 2003, 2004 Anne Viksman, summer student, FreeHold High School, Freehold, New Jersey
- 2004 Neelam Bhatt, summer student, Univeristy of Maryland ,Baltimore Campus, BS program in Biology
- 2004 Isabella Fiorentino, University of Naples, Ph.D. candidate

Post-doctoral:

- 2004-present Rosalyn Baker, M.D., M.H.S., Fellow in Allergy and Immunology, NIH beginning July 2006
- 2005 Nkiruka U. Ohajame, M.D. Internal Medicine Resident, Johns Hopkins Bayview, Research Elective in A/I
- 2005-present Laura Gober, M.D., Post-doctoral fellow, Graduate of Pediatric Residency at the University of Maryland

Training grant participation:

Allergy and Immunology Training Grant, 1998- present

Participation in clinical supervision and instruction of both adult and pediatric fellows and mentorship for clinical conferences. Coordinator of the fellowship intensive review conference program which is a literature-based review of core concepts in the field of allergy and clinical immunology

CURRENT CLINICAL ACTIVITIES:

Half-day, Allergy Outpatient Clinic, Johns Hopkins Asthma & Allergy Center
 Inpatient Allergy and Immunology Consultative Service

RESEARCH GRANT PARTICIPATION:

Current:

Cellular Markers of Anaphylaxis Clinical Research Feasibility Fund, Johns Hopkins Bayview General Clinical Research Center	7/1/04-6/30/05
Effect of Anti-IgE (omalizumab) in Non-allergic Asthma Investigator initiated project, Genentech Co-investigator: Investigator: Sarbjit Saini, M.D.	12/04-12/06
Effect of anti-IgE (omalizumab) in Chronic Urticaria Investigator initiated project, Genentech Principal Investigator: Sarbjit Saini, M.D.	3/01/05-12/06
A Phase I/II open-label evaluation of the safety and efficacy of rituxamab in patients with chronic urticaria Sponsor-Genentech Co-investigator: Sarbjit Saini, M.D.	12/05-3/06

Pending:

FcεRIβ expression and function on human leukocytes
 NIAID-NIH, R01 AI057660
 Principal Investigator: Sarbjit S. Saini, M.D.

Cellular mechanisms of chronic idiopathic urticaria
 NIAMS-NIH R01 AR052702-01
 Principal Investigator: Sarbjit S. Saini, M.D.

Previous:

Signaling defects in mast cells and basophils in chronic urticaria-1/03-1/05
 2003 AAAAI Interest Section Award Grant
 Total direct \$ 20,000/yr
 Principal Investigator: Sarbjit S. Saini, M.D.

Mechanisms of IgE Regulation on human leukocytes, 2/99-1/04
 NIAID-NIH, K08 AI01564-03
 Total direct costs \$530,135 / Current year \$ 116,000, 80% effort
 Principal Investigator: Sarbjit S. Saini, M.D.

Research Grant, 7/98-6/99 Total direct costs \$25,000
 Maryland Chapter of the American Lung Association

Research Grant, 7/99-6/01 Total direct costs \$50,000
 National Chapter of the American Lung Association

PEER-REVIEWED ARTICLES:

Smith, PD, Lamerson, CL, Banks, SM, Saini, SS, Wahl, LM, Calderone, RA and Wahl, SM. Granulocyte-macrophage colony-stimulating factor augments human monocyte fungicidal activity for *Candida albicans*. **J Infect Dis**, 161: 999-1005, 1990.

Smith, PD, Saini, SS, Raffeld, M, Manischewitz, JF and Wahl, SM. Cytomegalovirus induction of tumor necrosis factor- α by human monocytes and macrophages. **J Clin Invest**, 90: 1642-1648, 1992.

Bochner, BS, Sterbinsky, SA, Saini, SS, Briskin, M, MacGlashan, DW. Counter-receptors on human basophils for endothelial cell adhesion molecules. **J Immunol**, 157: 844-850, 1996.

Bochner, BS, Sterbinsky SA, Saini, SS, Columbo, M, MacGlashan, DW. Studies of cell adhesion and flow cytometric analyses of degranulation, surface phenotype, and viability using human eosinophils, basophils, and mast cells. **Methods: A companion to methods in enzymology** 13: 61-68, 1997.

Saini SS, MacGlashan DW, Sterbinsky, SA, Togias, A, Adelman DC, Lichtenstein LM, Bochner BS. Down-regulation of human basophil IgE and Fc ϵ RI α surface densities and mediator release by anti-IgE-infusions is reversible in vitro and in vivo. **J Immunol**, 162: 5624-30 1999.

Seminario, MC, Saini SS, MacGlashan DW, Bochner BS. Intracellular expression and release of Fc ϵ RI α by human eosinophils. **J Immunol**, 162: 6893-6900, 1999.

Barnes KC, Freidhoff LR, Horowitz EM, Mulkern DM, Bonacum JT, Goldman MH, Polito AJ, Saini SS, Marsh DG, Beatty TH, Togias, A. Physician-derived asthma diagnoses based on a questionnaire are in good agreement with interview-based diagnoses and are not affected by objective tests. **J Allergy Clin Immunol**, 104 : 791-6, 1999.

Sanico AM, Kita, H, Leiferman, KM and Saini, SS. Eosinophilia in a 23-year-old woman with asthma. **Ann Allergy Asthma & Immunol**, 83: 193-199, 1999.

Saini, S, Klion, A, Holland, S, Hamilton, R, Bochner, B, MacGlashan, D. The relationship between serum IgE and surface levels of Fc ϵ R levels on human leukocytes in various diseases: Correlation of expression with Fc ϵ RI on basophils but not monocytes or eosinophils. **J Allergy Clin Immunol**, 106:514-20, 2000.

Saini, SS, Richardson, JJ, Wofsy C, Lavens-Phillips, S, Bochner, B, MacGlashan, DW. Expression

and Modulation of FcεRIα and FcεRIβ in Human Blood Basophils. **J Allergy Clin Immunol**, 107: 832-41, 2001.

Miura, K, Saini, SS, Gauvreau, G, MacGlashan, DW. Differences in functional consequences and signal transduction induced by IL-3, IL-5, NGF in human basophils. **J Immunol**, 167: 2282-91, 2001.

Saini, SS and MacGlashan, DW. How IgE upregulates the allergic response. **Current Opinion in Immunology**, 14: 694-7, 2002.

Beck, LA, Marcotte, GV, MacGlashan, Jr., DW, Togias, AG, Saini, SS. Omalizumab induced reductions in mast cell FcεRI expression and function. **J Allergy Clin Immunol**, 114: 527-30, 2004.

Saini, SS, Bloom, DC, Bieneman, A, Vasagar, K, Togias, A, Schroeder, J. Systemic effects of allergen exposure on basophil IL-13 secretion and FcεRIβ expression. **J Allergy Clin Immunol**, 114: 768-74, 2004.

Saini, SS. Update on Angioedema and chronic urticaria. **Advanced Studies in Medicine**. Feb, 2005.

Conner, ER and Saini, SS. The IgE Receptor: Expression & Regulation, **Current Allergy Asth Report**, 5 (3): 191-6, 2005.

Hamilton RG, Marcotte GV, Saini SS. Immunological methods for quantifying free and total serum IgE levels in allergy patients receiving receiving Omalizumab (Xolair) Therapy. **J Immunol Methods**, 303(1-2):81-91, 2005.

Vonakis, BM and Saini, SS. Basophils and mast cells in chronic idiopathic urticaria. **Current Allergy Asth Report**, (5)4: 270-6, 2005.

Schroeder JT, Bieneman AP, Xiao H, Chichester KL, Vasagar K, Saini, S, Liu, MC. Toll-like receptor 9- and FcεRI-mediated responses in human plasmacytoid DC oppose one another by down regulating receptor expression. **J Immunol**, 175 (9): 5724-31, 2005.

Vasagar, K, Vonakis, BM, Gober, LM, Viksman, A, Gibbons, S, Saini, SS. Evidence of in vivo basophils activation in chronic idiopathic urticaria. Submitted.

Ohameje, NU, Loveless, JW; Saini, SS. Atopic Dermatitis or Hyper IgE Syndrome? **Allergy and Asthma Proceedings**, In press, 2006.

Beck, LA and Saini, S. Wanted: A Study with Omalizumab to Determine the Role of IgE-Mediated Pathways in Atopic Dermatitis. **J Am Acad Dermatol**, In press.

Vonakis, BV, Vasagar, K, Gibbons, Jr, SP, Gober, L, Saini, SS. Basophil FcεRI histamine release parallels expression of SH2-containing inositol phosphatases in chronic idiopathic urticaria. Submitted.

NON-PEER-REVIEWED ARTICLES:

Saini, SS and Bochner, BS. IgE and its receptor as therapeutic targets. **Science and Medicine**, 6: 28-35, 1999.

Saini, SS. Fluticasone dipropionate and atopic dermatitis, **Current Allergy Asth Report**, 4(4): 2004

Saini, SS. Addition of zafirlukast to cetirizine in the treatment of chronic urticaria. **Current Allergy Asth Report**, 4(4): 2004

Saini, SS. More on allergic dermatoses and urticaria. **Current Allergy Asth Report**, 5(4): 268-9, 2005

Bochner B, Saini S. Introduction: Anti-IgE. **Clin Rev Allergy Immunol**. 29(1): 1-2.

BOOK CHAPTERS:

Smith, PD and Saini, SS. Infection in the immunocompromised host. **The Large Intestine: Physiology, Pathophysiology and Disease**. S.F. Phillips, J.H. Pemberton and R.G. Shorter, editors, Raven Press, New York, 1989.

Saini, SS, Matsumoto, K, Bochner, BS. Phenotypic and functional characteristics of adhesion molecules on human basophils. **Adhesion Molecules in Allergic Disease**. B.S. Bochner, editor, Marcel Dekker, New York, 1997.

Sanico AM, Bochner, BS, Saini, SS. Immediate Hypersensitivity: Approach to Diagnosis. **Manual of Allergy and Immunology**. T. Casale, J. Corren and D. Adelman, editors. Lippencott, Williams and Wilkins, Baltimore, 2001.

MacGlashan, DW, Schroeder, JT, Lichtenstein, LM, Saini, SS, Bochner, BS. Mediator release from Basophils and Mast Cells and its relationship to FcεRI expression and IgE-suppressing therapies. **IgE and Anti-IgE in Asthma and Allergic Diseases**. P. M. Jardieu and R.B. Fick, Jr., editors, Marcel Dekker, 2002

Saini, SS. Immune functions of Mast Cells and Basophils **The Immunological Basis of Asthma**, Z. Diamant, Lambrecht, Hoogsteden, editors, Marcel Dekker, New York, 2003.

Saini, SS. Allergy and Immunology for the Internist. **The Johns Hopkins Internal Medicine Board Review**, R. Miller, B. Ashar, K. Peairs, editors. Elsevier Science, Philadelphia, 2004.

Hamilton, RH and Saini, SS. Anaphylaxis. **Disorders of the Immune System**. Wiley Publications, in press.

Schroeder, JT and Saini, SS. Assay methods for measurement of mediators and markers of allergic inflammation. **Manual of Molecular and Clinical Laboratory Immunology**. ASM Press, in press.

ABSTRACTS:

Lamerson, CL, Saini, SS and Smith, PD. Tumor necrosis factor expression by human monocytes and mucosal macrophages: a possible mechanism for cytomegalovirus enteritis. **Gastroenterology**. 96: 686, 1989

Smith, PD, Lamerson, CL, Saini, SS, Wahl, LM and Wahl, SM. Cytomegalovirus induction of tumor necrosis factor secretion by human monocyte/macrophages may contribute to tissue inflammation in AIDS patients. **V International Conference on AIDS**. Abstract Vol.: 603, 1989

Saini, SS, Chernick, M, Wahl, SM, Smith, PD. Inflammatory cytokine production by alveolar macrophages from patients with cystic fibrosis. **J Allergy Clin Immunol** 95:363, 1995

Saini, SS, Adkinson, NF. Vancomycin associated acute interstitial nephritis. **Ann Allerg Asthma & Immunol** 76:P71, 1996

Saini, S, White, J, Gallatin, WM, Hoffman, PA, Lichtenstein, LM, Bochner, BS. Potentiation of basophil function by antibodies to ICAM-3. **J Allergy Clin Immunol** 97:326, 1996

Saini, S, MacGlashan, D, Adelman, D, Jardieu, P, Togias, A, Lichtenstein, LM, Bochner, BS. Culture with IgE increases IgE density and Fc ϵ RI expression on human basophils. **J Allergy Clin Immunol** 99: 417, 1997

Sanico, AM, Polito, AJ, Saini, SS. Eosinophilic myocarditis and pericardial tamponade in a patient with asthma. American College of Allergy, Asthma, & Immunology 1997, **Ann Allerg Asthma & Immunol**, 80(1): 1998.

Grayson, MH, Marcus, LJ, Saini, SS. Acquired angioedema in a patient with a presumed hematologic malignancy. American College of Allergy, Asthma, & Immunology 1997, **Ann Allerg Asthma & Immunol**, 80(1): 133,1998.

Saini S, MacGlashan D, Adelman D, Togias A, Lichtenstein L, Bochner, B. Discontinuation of anti-IgE infusions restores basophil IgE and Fc ϵ RI α expression, and IgE-dependent histamine release responses. **J Allergy Clin Immunol** 100: 437, 1998.

Saini, S, MacGlashan, D, Klion, A, Holland, S, Hamilton, R, Bochner, B. Relationship between serum IgE and Fc ϵ RI α levels on human basophils, monocytes and eosinophils. **J Allergy Clin Immunol** 103: S168, 1999.

Beck, LA, Brummert, ME, Seminario, C, Saini, SS, Ponath, PD, Bochner, BS, Schleimer, RP. Expression of the chemokine receptor CCR3 on human eosinophils correlates with the expression of the activation marker CD44. **J Allergy Clin Immunol** 103: S113, 1999.

Tran, NT, Saini, SS. Familial clustering of atypical angioedema. **Ann Allerg Asthma & Immunol**, 84:140, 2000.

Saini, SS, Richardson, JJ, Lavens-Phillips, S, Bochner, B, MacGlashan D. Relationship Between Fc ϵ RI α and Fc ϵ RI β Levels in Human Basophils. **J Allergy Clin Immunol**, 105:S172, 2000.

Saini, SS, Richardson, JJ, MacGlashan Jr., DW. Expression of Fc ϵ RI β and Fc ϵ RI α mRNA in Human Basophils. **J Allergy Clin Immunol**, 107:S179, 2001.

Saini, SS Richardson, JJ, Schroeder, JT Togias, A. Modulation of FcεRIβ expression in human basophils after sequential intranasal allergen challenge. **J Allergy Clin Immunol**, 109: S100, 2002.

Saini, SS, Vasagar, K, Huang, F, Gibbons, Jr, SG, Vonakis, BM. Signaling defects in basophils in chronic urticaria **J Allergy Clin Immunol**, 111: S178, 2003.

Vasagar, K, Vonakis, BM, Viksman, A Gibbons, Jr. SG , Saini., SS. Evidence of In Vivo Basophil Activation in Chronic Idiopathic Urticaria. **J Allergy Clin Immunol**, 113: S257, 2004.

Saini SS, Gibbons, Jr. SG, Vasagar, K, Vonakis, BM. Relationship Between Syk Protein and Degranulation in Basophils from Chronic Urticaria Donors. **J Allergy Clin Immunol**, 113: S89, 2004

Vonakis, BM, Nocka, K, Rao, S, Gibbons, Jr., SG, Vasagar K Saini SS. Modulation of Signaling Proteins in Cultured Mast Cells from Chronic Idiopathic Urticaria Patients. **J Allergy Clin Immunol**, 113: S88, 2004.

Hamilton, RG Rossi, C, Saini, SS. Interference of Xolair (anti-Human IgE) in Serological Assays for total and specific IgE. **J Allergy Clin Immunol**, 113: S289, 2004.

Vasagar K ,Golden D, Bhatt N, Viksman A, Parihar S, Parihar A, Fiorentino I, Saini SS. Basophil activation marker expression in subjects undergoing sting challenges: Novel Biomarkers of Anaphylaxis? **J Allergy Clin Immunol**, 115: S38, 2005.

Gober, LM, Ohameje, NU, Vasagar, K, Vonakis, BM, Saini, SS . Distinct Basophil Functional Phenotypes in Chronic Idiopathic Urticaria (CIU), **J Allergy Clin Immunol**, in press.

Baker, R, Ohameje, N, Vasagar, K, Gober, L, Chen, S, Vonakis, B, Saini, S. Basophil Histamine Release (HR) Activity and Disease Severity in Chronic Idiopathic Urticaria (CIU). **J Allergy Clin Immunol**, in press.