BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed on Form Page 2.
Photocopy this page or follow this format for each person.

NAME	POSITION TITLE
Susan Stafford	Research Associate II, Human Biological Chemistry and Genetics

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.*)

INSTITUTION AND LOCATION	DEGREE (*if applicable*)	YEAR(s)	FIELD OF STUDY
University of California, Davis, California	B.S.	1979	Biological Chemistry

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. If the list of publications in the last three years exceeds two pages, select the most pertinent publications. **DO NOT EXCEED TWO PAGES.**

EMPLOYMENT EXPERIENCE:

1979-1982 Research Assistant I, Human Biological Chemistry and Genetics, UTMB, Galveston, Texas
1992-1994 Research Assistant II, Internal Medicine, Allergy and Immunology, UTMB, Galveston, Texas
1995-1998 Research Associate I, Internal Medicine, Allergy and Immunology, UTMB, Galveston, Texas
1998-2002 Research Associate II, Internal Medicine, Allergy and Immunology, UTMB, Galveston, Texas
2002-2003 Research Associate II, HBC&G, UTMB, Galveston, Texas

HONORS:

1979 Graduated, High Honors, University of California, Davis, California

PUBLICATIONS:

1. Alam R, Forsythe PA, **Stafford S**, Lett-Brown MA, Grant JA Macrophage inflammatory protein-1 alpha activates basophils and mast cells. J Exp Med 1992; 176(3):781-6
2. Alam R, **Stafford S**, Forsythe P, Harrison R, Faubion D, Lett-Brown MA, and Grant JA. RANTES is a chemotactic and activating factor for eosinophils. J. Immunol 1993; 150:3442 .
3. Alam R, DeJarnatt A, **Stafford S**, Forsythe PA, Kumar D, Grant JA. Selective inhibition of the cutaneous late phase allergic response to allergens by misoprostol, a PGE analogue. Results of double-blind placebo-controlled study. Am. Rev. Respir. Dis 1993; 148:1066-1070
4. Alam R, Forsythe P, **Stafford S**, Fukuda Y. Transforming growth factor-ß abrogates the effects of hematopoietins on eosinophils and induces their apoptosis. J. Exp. Med 1994; 179:1041-1045
5. Alam R, Forsythe P, **Stafford S**, Heinrich J, Bravo R, Proost P, and Van Damme J. Monocyte chemotactic protein-2 (MCP-2), monocyte chemotactic protein-3 (MCP-3), and fibroblast-induced cytokine, three novel chemokines, induce histamine release from basophils. J. Immunol 1994; 153:3155-3159
6. Alam R, Pazdrak K, **Stafford S**, and Forsythe P. The IL-5 receptor interaction activates lyn and Jak2 tyrosine kinases and propagates signals via the ras-raf 1-MEK-MEP kinase and Jak-STAT pathways in eosinophils. Int. Arch. Allergy Immunol. 107:226-227, 1995.
7. Alam R, DeJarnatt A, **Stafford S**, Forsythe P, Kumar D, Grant JA. Misoprostol inhibits the cutaneous late-phase allergic response to antigens. Results of a double-blind placebo-controlled randomized study and an investigation into the mechanism of action. Am. J. Therapeutics. 2(10:150-155, 1195.
8. Pazdrak K, **Stafford S**, and Alam R. The activation of the Jak2-STAT1 signaling pathway by IL-5 in eosinophils. J. Immunol 1995; 155:397-402
9. Alam R, York J, Boyars M, **Stafford S**, Grant JA, Lee J, Forsythe P, Sim T, and Ida N. Increased MCP-1, RANTES, and MIP-1 in bronchoalveolar lavage in allergic asthmatic patients. Am. J. Respir. Crit. Care Med 1996; 153:1398-1404

10. **Stafford S**, Li H, Forsythe P, Ryan M, Bravo R, and Alam R. Monocyte chemotactic protein-3/fibroblast-induced cytokine (FIC) in eosinophilic inflammation of the airways and the inhibitory effects of an anti-MCP-3/FIC antibody. J. Immunol 1997; 158:4953-4960
11. Pazdrak K, Olszewska-Pazdrak B, **Stafford S**, Garofalo R, and Alam R. Lyn, Jak2 and Raf-1 Kinases Are Critical for the Anti-Apoptotic Effect of Interleukin-5 Whereas Only Raf-1 Kinase is Essential for Eosinophil Activation and Degranulation. J. Exp. Med 1998; 188:421-429
12. Adachi T, Pazdrak K, **Stafford S**, and Alam R. The mapping of the Lyn kinase-binding site of the common ß (ßc) subunit of IL-3/GM-CSF/IL-5 receptor. J. Immunol. 162:1496-1501, 1999
13. Adachi, T, **Stafford S**, Sur S, Alam, R. A novel Lyn-binding peptide inhibitor blocks eosinophil differentiation, survival, and airway eosinophilic inflammation. J. Immunol. 163:939-946, 1999.
14. Kampen G, **Stafford S**,Adachi T, Jinquan T, Quan S, Grant JA, Skov P, Poulsen L, and Alam R. Eotaxin Induces Degranulation and Chemotaxis of Eosinophils through the Activation of ERK2 and p38 Mitogen-Activated Protein Kinases. Blood 95:1911-1917, 2000.
15. Adachi T, Choudhury BK, **Stafford S**, Sur S, and Alam R. The Differential Role of Extracellular Signal-Regulated Kinases and p38 Mitogen-Activated Protein Kinase in Eosinophil Functions. J. Immunol. 165:2198-2204, 2000.
16. Adachi T, R. Vita, S. Sannohe, **S. Stafford**, R. Alam, H. Kayaba, and J. Chihara. The Functional Role of Rho and ROCK in Eotaxin Signaling of Eosinophils. J. Immunol. 167:4609-4615, 2001.
17. M. Rais, J. Wild, BK Choudhury, R. Alam, **S. Stafford**, and S. Sur. IL-12 inhibits eosinophil differentiation from bone marrow stem cells in an IFN-γ-dependent manner in a mouse model of asthma. Clin. Exp. Allergy. 32:627-632, 2002.
18. **Stafford S**, Lowell C, Sur S, Alam R. Lyn tyrosine kinase is important for IL-5-stimulated eosinophil differentiation. J. Immunol. 168(4):1978-83, 2002.
19. Adachi T, **Stafford S**, Kayaba H, Chihara J, and Alam R. J Allergy Clin Immunol 111(1):113-116, 2003
20. Osman Cen, Magdalena M. Gorska, **Susan J Stafford**, Sanjiv Sur, and Rafeul Alam. Identification of UNC119 as a Novel Activator of Src-Type Tyrosine Kinases J Biol Chem 278:8837-8845, 2003