



- *Professor*
- *Department of Immunology and Genomic Medicine*

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#### Conditions Treated:

#### Research Areas:

- *Basic Immunology*

#### Research Interests

I am interested in the biology of lymphocytes expressing gamma/delta T cell receptors (gamma/delta T cells). I am studying gamma/delta T cells in the mouse and in mouse models of diseases, including diseases of the airways and lung.

#### Education

1977 Albert Ludwigs Universitaet (Freiburg, Germany), Diplom / Biology (German MS)

1982 Albert Ludwigs Universitaet (Freiburg, Germany), Dr.rer.nat. / Biology (German PhD)

#### Fellowship

1982 UTHSD (Dallas, TX), Postdoctoral Fellow

1984 National Jewish Health, Postdoctoral Fellow

#### Teaching or Professional Positions

Professor, Department of Immunology

#### Affiliations with the University of Colorado Denver

[Department of Immunology & Microbiology](#), University of Colorado Denver

#### Professional Memberships

American Association of Immunologists

German Society for Immunology

#### Awards & Recognition

2006: NJMRC "Faculty Citizen of the Year"

2005: Visiting Professor, PUMC, Beijing, China

1989: Investigator Award, Cancer Research Institute

1982: Fellow: Deutsche Forschungsgemeinschaft

1974: Fellow: Studienstiftung des Deutschen Volkes

#### Publications

O'Brien, R.L., Roark, C.L., Jin, N., Aydintug, M.K., French, J.D., Chain, J.L., Wands, J.M., Johnston, M. and Born, W.K.  $\gamma\delta$  T cell receptors - functional correlations. Immunological Reviews. In press.

Born, W.K., Reardon C.L. and O'Brien, R. The function of  $\gamma\delta$  T cells in innate immunity. Curr. Op. Immunol., 17:1-8 (2006).

Simonian, P.L., Roark, C.L., del Valle, F.D., Palmer, B.E., Douglas, I.S., Ikuta, K., Born, W.K., O'Brien, R.L., and Fontenot, A.P. Regulatory role of  $\gamma\delta$  T cells in the recruitment of CD4+ and CD8+ T cells to lung and subsequent pulmonary fibrosis. J. Immunol. In press, 2006.

Reardon, C.L., Hu, L.-j., Xiang Yin, Born, W.K., Arden, B. and O'Brien, R.L. A new mechanism for generating TCR diversity: a TCR Ja-like gene that inserts partial nucleotide sequences in a D-gene manner. Molecular Immunology, in press, 2006.

Reardon, C.L., Born, W.K., and O'Brien, R.L. A unique V $\gamma$ 5-T-Cell population in the murine mammary gland. Molecular Immunology, 43: 1057-61, 2006.

#### **Doctor's Contact Information**

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#### **Locations**

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