

## **Christopher Taylor Barry, MD, PhD, FACS**

### Office:

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### **ACADEMIC APPOINTMENTS**

2/05-present: Assistant Professor in Residence, Department of General Surgery,  
Section of Transplantation, University of California, San Diego

Honors: The Michael Bouvet Intern of the Year Award

2/05-present: Abdominal Transplant Fellowship Director, UCSD

1/03-12/05: Clinical Instructor, University of California San Francisco

### **FELLOWSHIP**

1/03-12/05: Transplant Surgery Fellowship, University of California San Francisco

### **RESIDENCY**

6/95-7/02: Stanford University School of Medicine, Department of General Surgery

Honors: Resident Research Award  
General Surgery Resident Teaching Award  
The John Henry Smith III, MD Award

### **POSTDOCTORAL TRAINING**

1997-1999: Stanford University School of Medicine, Department of Biochemistry  
Laboratory: Patrick O. Brown, MD, PhD

Funding: NIH NRSA: Gene Expression in Transplant Allograft Rejection

Hutchinson Award: Genomic Analysis of Hepatitis C Virus Infection  
Using DNA Microarrays

### **GRADUATE EDUCATION**

1986-1995: MD and PhD in Immunology, Tufts University School of Medicine

Honors: MD, PhD Scholarship  
First Prize: Tufts School of Medicine Student Research Symposium

## **UNDERGRADUATE EDUCATION**

1982-1986: BA with Honors in Music, University of Wisconsin-Madison

Honors: Phi Beta Kappa, Music Scholarship, Sophomore Honors,  
University Bookstore Award for Academic Excellence, Phi Kappa Phi,  
Trewartha Research Grant

## **PROFESSIONAL SOCIETIES**

2003-present: American Society of Transplant Surgeons

2000-present: The Transplantation Society

2000-present: American Society of Transplantation

2006-present: Association for Academic Surgery

2008-present: Fellow of the American College of Surgeons

## **BOARD CERTIFICATION**

June 2003: The American Board of Surgery, Certificate No. 48292

## **HOSPITAL APPOINTMENTS**

2/2005-present: Transplant Surgery Attending, University of California San Diego

4/2005-present: Transplant Surgery Attending, Children's Hospital San Diego

7/2002-1/2005: Transplant Surgery Fellow, Clinical Instructor, UCSF  
Chief: John Roberts, MD, 415-353-2888

7-12/2002: Trauma Surgeon, Santa Clara Valley Medical Center, San Jose, CA  
Chief: John Sherck, MD, 408-885-6060

General Surgeon, Hospital Professional Staff, Kaiser Santa Clara, CA  
Chief: John Stevenson, MD, 408-236-5111

## **ABSTRACTS**

Barry, CT, Runnels, J and N Rosenberg (1991): Common Integration Sites in Moloney Murine Leukemia Virus Immortalized B Cell Lines, RNA Tumor Viruses Meeting Abstract, Cold Spring Harbor Laboratory.

Barry, CT, Runnels, J and N Rosenberg (1992): Identification of Two Common Integration Sites in Moloney Murine Leukemia Virus Immortalized B Cell Lines, RNA Tumor Viruses Meeting Abstract, Cold Spring Harbor Laboratory.

Barry, CT and N Rosenberg (1993): Two Putative Protooncogenes Activated in Moloney Murine Leukemia Virus Immortalized Mouse B Cell Lines, Retroviruses Meeting Platform Presentation, Cold Spring Harbor Laboratory.

Barry, CT, S Cao, T Monge, SK So, CO Esquivel and PO Brown (1998). Towards a Genomic Analysis of Transplant Immunobiology and Related Phenomena. *Transplantation*, 65(12): S35.

Barry, CT, S Cao, T Monge, SK So, CO Esquivel and PO Brown (1998). An In Vitro RNA Amplification Strategy Allows cDNA Microarray Analysis of Small Amounts of Tissue. *Transplantation*, 66(8): S48.

Barry, CT, S Cao, T Monge, SK So, CO Esquivel and PO Brown. Analysis of Phenomena Pertinent to Transplant Immunobiology Using cDNA Microarrays. Oral presentation to the World Congress of the Transplantation Society, Montreal, 1998.

Fan, H, CT Barry, Q Lin, SC Baek, PO Brown and PA Khavari. Genomic Analysis of Human Squamous Cell Carcinoma Gene Expression via cDNA Microarrays. American Society of Dermatology, Chicago, 1999.

Fan, H, CT Barry, SC Baek, Q Lin, PO Brown and PA Khavari. Analysis of Human Basal Cell Carcinoma Gene Expression at a Genomic Scale Via cDNA Microarrays. American Society of Dermatology, Chicago, 1999.

Freiberg, RA, CT Barry, M Fang, E Alvarez-Saavedra, P Robbins, PO Brown and PA Khavari. CDNA Microarray Screening for Genes Differentially Expressed in Keratinocyte Stem Cell Enriched Populations, American Society of Dermatology, Chicago, 1999.

Freiberg, RA, CT Barry, PO Brown and PA Khavari. Identification of New Keratinocyte Differentiation Candidates Genes by Genome-wide Screening Approach. American Society of Dermatology, Chicago, 1999.

Hinata, K, CT Barry, PO Brown and PA Khavari. Genome-wide Characterization of NF- $\kappa$ B Target Genes in Human Epithelial Cells via High Density cDNA Microarrays. American Society of Dermatology, Chicago, 1999.

Barry, CT, Sarwal, M, Chang, S, Salvatierra, O and PO Brown. Genomic Analysis of Acute Allograft Rejection Using DNA Microarrays. The 18th Annual Meeting of the American Society of Transplantation, May, 1999.

Barry, CT, He, XS, Greenberg, H and PO Brown. Genomic Analysis of Hepatitis C Virus Infection Using DNA Microarrays. The 18th Annual Meeting of the American Society of Transplantation, May, 1999.

Barry, CT, Watanabe, S, Mocarski, ES, and PO Brown. Analysis of Host Viral Interactions in CMV Infection Using DNA Microarrays. The 18th Annual Meeting of the American Society of Transplantation, May, 1999.

Barry, CT, M Millan, H Monge, C Esquivel, P Brown and S So. Genomic Analysis of Human Hepatocellular Carcinoma Gene Expression Using cDNA Microarrays. The 18th Annual Meeting of the American Society of Transplantation, May, 1999.

Barry, CT, D Botstein, P Brown and S So. Genomic Analysis of Human Hepatocellular Carcinoma Gene Expression Using cDNA Microarrays. Oral Presentation, Second International Symposium on Hepatology, Beijing, China, December, 1999.

Milan, M, K Lai, E Keefe, G Fischer, M Razavi, W Praopong, C Barry, C Esquivel and S So. Liver Transplantation for Hepatocellular Carcinoma and the Role of Preoperative Chemoembolization.

Transplant 2000, Chicago, May, 2000.

Sarwal, M, C Barry, S Chang, X Chen, B Amir, O Salvatierra and P Brown. Genomic Analysis of Allograft Dysfunction Using cDNA Microarrays. Oral Presentation, Transplant 2000, Chicago, May, 2000.

Barry, CT, Chen, X, D Botstein, S So and PO Brown. Gene Expression Patterns in Human Liver Cancers. Oral Presentation, World Congress of the Transplantation Society, Rome, August 2000.

Barry, CT, R McTaggart, JP Roberts and S Feng: Gene Expression Profiling of Liver Regeneration in a Mouse Hepatectomy Model. American Transplant Congress, Boston, May 2004.

Barry, CT, T Liu, JP Roberts, R Hirose and CU Niemann: Expression of Survivin, an Anti-Apoptosis Gene, in a Fatty Rat Cold Ischemia Model. International Hepatobiliary Association Congress, Washington DC, June 2004.

Barry, CT, M Behrends, T Liu, JP Roberts, R Hirose and CU Niemann: Ischemic Preconditioning Upregulates Anti-apoptosis Genes and Downregulates the Notch Signaling Pathway in a Rat Fatty Liver Cold Ischemia Model. ASTS Winter Symposium, Scottsdale Arizona, February 2006.

## **PUBLICATIONS**

Barry, CT: Two Putative Protooncogenes Altered by Proviral Insertion in Moloney Murine Leukemia Virus Immortalized B Cell Lines. Doctoral Dissertation, Tufts University, 1993.

So, S, C Barry, X Chen, D Botstein and P Brown. Strategies in the Treatment of HCC at Stanford University. *Gastroenterology and Hepatology*, December 1999, 14: A309-11.

So, S, C Barry, X Chen, D Botstein and P Brown. Genomic Analysis of Hepatocellular Carcinoma. *Gastroenterology and Hepatology*, December 1999, 14: A316-17.

Renne, R, C Barry, D Dittmer, N Compitello, PO Brown and D Ganem. Modulation of Cellular and Viral Gene Expression by the Latency-associated Nuclear Antigen of Kaposi's Sarcoma-associated Herpesvirus. *Journal of Virology* January 2001, 75(1):458-68.

Sarwal, M, S Chang, C Barry, X Chen, A Alizadeh, O Salvatierra and PO Brown: Genomic Analysis of Renal Allograft Dysfunction Using cDNA Microarrays. *Transplantation Proceedings*, February 2001, 33(1): 297-8.

Chen, X, ST Cheung, CT Barry, ST Fan, J Higgins, KM Lai, J Ji, I Ng, M van de Rijn, D Botstein, S So and PO Brown. Gene Expression Patterns in Human Liver Cancers. *Molecular Biology of the Cell*, June 2002, 13(6):1929-39.

Chua, Mei-Sze, C Barry, X Chen, O Salvatierra and M Sarwal: Molecular Profiling of Anemia in Acute Renal Allograft Rejection Using DNA Microarrays. *American Journal of Transplantation*, 2003, 3:17-22.

Aavik E, A Mahapatra, J Boldrick, X Chen, C Barry, D Dutoit, M Sarwal and P Hayry: Correlation Between Gene Expression and Morphological Alterations in Baboon Carotid after Balloon Dilatation Injury. *FASEB J.* 2005 Jan;19(1):130-2.

Eran Segal, Claude B. Sirlin, Clara Ooi, Adam Adler, Jeremy Gollub, Xin Chen, Bryan K. Chan, George R. Matcuck, Christopher T. Barry, Howard Y. Chang and Michael D. Kuo. Decoding Global Gene Expression Programs in Liver Cancer by Noninvasive Imaging. Nature Biotechnology. 2007 June; 25(6):675-680.

#### **MANUSCRIPTS IN PREPARATION**

##### **Expression of Anti-Apoptosis Genes in a Rat Cold Ischemia Model.**

**Christopher Taylor Barry**<sup>1</sup>, Tao Liu<sup>2</sup>, John P Roberts<sup>2</sup>, Ryutaro Hirose<sup>2</sup> and Claus U Niemann<sup>3</sup>.

<sup>1</sup>Department of Transplant Surgery, University of California San Diego, Departments of

<sup>2</sup>Transplantation and <sup>3</sup>Anesthesia and Perioperative Care, University of California, San Francisco, CA.

##### **Genomic Analysis of Liver Regeneration: Comparison of Wild Type and Retrorsine Treatment in a Mouse Hepatectomy Model.**

Sandy Feng<sup>1</sup>, Ryan McTaggart<sup>1</sup>, John P Roberts<sup>1</sup> and **Christopher Taylor Barry**<sup>2</sup>. <sup>1</sup>Department of

Transplant Surgery, University of California San Francisco, <sup>2</sup>Department of Transplant Surgery, University of California, San Francisco, CA.

##### **Calcineurin Inhibitor Induced Hemolytic Uremic Syndrome and Severe Vascular Rejection: A Case Report and Review of the Literature.**

Michelle McElroy, Marquis Hart, Ajai Khanna, Robert Steiner, David Ward and **Christopher Taylor Barry**. Department of Transplant Surgery, University of California, San Diego, CA.