

Curriculum Vitae

Appointments

Assistant Professor in Medicine, Harvard Medical School
Associate Physician, Department of Medicine Brigham & Women's Hospital

Email

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Credentials

1989 **BA (Hons)** Physiological Sciences, University of Oxford, UK
1991 **MA** Physiological Sciences, University of Oxford, UK
1992 **BM BCh (Medicine)**, University of Oxford, UK
2001 **PhD** University of Edinburgh, UK, at the Center for Inflammation
 Research under Prof. John Savill

Position History

2006 Assistant Professor in Medicine, Harvard Medical School
2002-05 Post doctoral training, Renal Division, Dept of Medicine, Brigham &
 Women's Hospital, Boston, MA and Harvard Medical School with Prof
 Joseph Bonventre

Selected Awards & Honors

Old Danensians science award: Easterfield Medal 1986
Clinical Training Fellowship, Medical Research Council, UK 1997
Senior Research Fellowship, Kidney Research, UK 2001
Medical Research Society (UK): The young investigator award 2002
Renal Association (UK): The Young Investigator Award (Raine Award) 2004

Research

See Duffield Lab Web Site

Recent Publications

Hunter MG, Hurwitz S, Bellamy CO, **Duffield JS**. Quantitative morphometry of lupus nephritis: The significance of collagen, tubular space, and inflammatory infiltrate. *Kidney International*. 2005; 67:94-102.

Kavanagh D, Kemp EJ, Mayland E, Winney RJ, **Duffield JS**, Warwick G, Richards A, Ward R, Goodship JA, Goodship THJ. Mutations in Complement Factor I predispose to development of atypical HUS. *Journal of American Society of Nephrology* 2005; 16:2150-5

Muckova K, **Duffield JS**, Bonventre JV, Held KD, Sheridan, AM. cPLA₂-interacting protein PLIP causes apoptosis and reduced G1 phase cells in mesangial cells. American Journal of Physiology 2006; 290, F70-9.

Duffield JS, Forbes SJ, Constandinou CM, Clay S, Partolina M, Vuthoori S, Wu S, Lang R, Iredale JP.

Selective depletion of macrophages reveals distinct, opposing roles during liver injury and repair. Journal of Clinical Investigation 2005; 115:56-65.

Duffield JS, Park KM, Hsiao L, Kelley V, Scadden DT, Ichimura H, Bonventre JV. Restoration of tubular epithelial cells during repair of the postischemic kidney occurs independently of bone marrow-derived stem cells. Journal of Clinical Investigation 2005; 115(7):1743-55

Duffield JS & Bonventre JV. Kidney epithelium is restored without replacement with bone marrow-derived cells during repair after ischemic injury. Kidney International 2005; 68:1956-61

Duffield JS, Tipping PG, Cailhier JF, Kipari T, Clay S, Lang R, Bonventre JV, Hughes J. Conditional Ablation of Macrophages Halts Progression of Crescentic Glomerulonephritis. American Journal of Pathology 2005; 167:1207-19.

Duffield JS, Hong S, Lu Y, Vaidya V, Fredman G, Serhan CN & Bonventre JV. Resolvin D series and Protectin D1 mitigate Acute Kidney Injury. Journal of Immunology 2006; 177: 5902-11

Bonventre JV & **Duffield JS**. Response to Could tubular interstitium be a source of adult epithelial stem cells. Kidney International 2006;

Humphreys BD, **Duffield JS**, Bonventre JV. Renal stem cells in recovery from acute kidney injury. Minerva Urol Nefrol. 2006 ;58:329-37.

Fallowfield J, Mizuno M, **Duffield JS**, Iredale JP Journal of Immunology 2006; 178: in press

Invited Presentations

- 1998 Invited talk: American Society of Nephrology
Macrophages activated *in vivo* and *in vitro* control glomerular mesangial cell number by induction of apoptosis and suppression of mitosis
Philadelphia, PA
- 1999 Invited lecture: Macrophage mediated control of glomerular mesangial cells
The Royal Society of Medicine,
London, UK
- 2000 Plenary presentation: British Renal Association,
Macrophage release of tumour necrosis factor directs mesangial cell apoptosis and is inhibited by uptake of apoptotic cells; a negative feedback loop in the inflammatory response.
Cambridge, UK
- 2001 Invited lecture: Apoptosis in Inflammation.
Nephrology Specialist Registrar Club,

- London, UK
- 2002 Invited lecture: University of Birmingham Medical School UK,
Emerging roles for macrophages in inflammation
Birmingham UK
- 2002 Plenary presentation: Medical Research Society,
Macrophages direct mesangial cell apoptosis in the inflamed glomerulus;
negative feedback
control by uptake of apoptotic cells
London, UK
- 2004 Invited talk: American Society of Nephrology,
Tubular cell replenishment is independent of bone marrow stem cells in the post
ischemic mouse
kidney.
St Louis, MO
- 2004 Raine Award: British Renal Association,
Inflammatory Macrophages in Injury & Repair.
London, UK
- 2004 Plenary presentation: British Renal Association,
Depletion of macrophages during progressive nephrotoxic nephritis ameliorates
disease by loss of
crescents, decreased tubular injury and interstitial fibrosis
Aberdeen, UK
- 2005 Renal Grand Rounds University of Washington,
Seattle, WA
- 2005 Renal Grand Rounds University of Columbia
New York NY
- 2005 International Society of Nephrology Symposium on Stem cells in renal repair,
Bone marrow stem cells differentiate into endothelial but not tubular epithelial
cells during repair
of the ischemically injured kidney
Japan
- 2005 Invited talk: British Renal Association,
Tubular cell replenishment is independent of bone marrow stem cells in the post
ischemic mouse
kidney.
Belfast, UK
- 2005 Invited talk: American Society of Nephrology,
Omega-3 Lipid Mediators Resolvin D and Protectin D Limit Injury & Acute Renal
Failure
Following Ischemia-Reperfusion
Philadelphia, PA
- 2006 Yale University/Boehringer-Ingelheim Pharmaceuticals Scientific Retreat,
Macrophages in tissue Injury and Repair
New Haven, CT

2006

Invited lecture: Inflammation Research Society,
Macrophage function in tissue injury and repair
Princeton, NJ