

April 2011

CURRICULUM VITAE
Jean Marie Daley, M.D.

ADDRESS

Division of Surgical Research
Rhode Island Hospital, NAB 214
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EDUCATION

Undergraduate 1976-1980	Bowdoin College Brunswick, Maine Majors: Biochemistry, Biology Honors in Biochemistry A.B., magna cum laude, 1980
Medical 1980-1984	Tufts University School of Medicine Boston, Massachusetts M.D., 1984

POSTGRADUATE TRAINING

Residency 1984-1986 1989-1992	General Surgery (PGY1-6) Brown University Affiliated Hospitals Providence, Rhode Island
Fellowship 1986-1989	Research Fellow in Surgery Rhode Island Hospital Providence, Rhode Island

POSTGRADUATE HONORS AND AWARDS

1987-1989	National Research Service Award (NIH) Department of Surgery, Rhode Island Hospital
1989	Haffenreffer Fellowship Award Department of Surgery, Rhode Island Hospital

LICENSE

1989-2008	Doctor of Medicine, Rhode Island
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CERTIFICATION

1985	National Board of Medical Examiners
1993-2004	American Board of Surgery, Certification
2004-2014	American Board of Surgery, Recertification

ACADEMIC APPOINTMENTS

1986-1989	Research Fellow in Surgery Brown University Program in Medicine
1991-1992	Instructor in Surgery Brown University Program in Medicine
1993-1996	Clinical Instructor in Surgery Brown University Program in Medicine
1996	Clinical Assistant Professor in Surgery Brown University Program in Medicine
2002-present	Assistant Professor of Surgery (Research) Alpert Medical School of Brown University

HOSPITAL APPOINTMENTS

1992-1996	Attending Surgeon Memorial Hospital of Rhode Island Pawtucket, RI
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HOSPITAL COMMITTEES

1992-1995	Invasive Procedure Review Committee, Chair 1993-1996 Memorial Hospital of Rhode Island
1993	Intensive Care Unit Committee Memorial Hospital of Rhode Island
1994-1996	Medical Education Committee Memorial Hospital of Rhode Island
1994-1996	Pharmacy and Therapeutics Committee Memorial Hospital of Rhode Island

UNIVERSITY COMMITTEES

1991-1992 Advisory Committee
Brown University Residency in Surgery

MEMBERSHIPS

1988-present American College of Surgeons, Fellow 1995-present
1992-2008 Association of Women Surgeons
1992-2008 Rhode Island Medical Women's Association
2004-present Society for Leukocyte Biology
2008-present American Society for Investigative Pathology

PUBLICATIONS

Original publications in peer-reviewed journals

1. **Daley, J.M.**, Shearer, J.D., Albina, J., and Caldwell, M.D. Does wounded tissue regulate hepatic glucose metabolism? Surgical Forum 38: 23-25, 1987.
2. **Daley, J.M.**, Shearer, J.D., Mastrofrancesco, B., and Caldwell, M.D. Glucose metabolism in injured tissue: a longitudinal study. Surgery 107: 187-192, 1990.
3. **Daley J.M.**, Ivanenko-Johnston T., Reichner, J.S., and Albina, J.E. Transcriptional regulation of TNF- α production in neutropenia. Am. J. Physiol. Regul. Integr. Comp. Physiol. 288: R409-R412, 2005.
4. Albina J.E., Mahoney E.J., **Daley J.M.**, Wesche D., Morris S.M. Jr, Reichner J.S. Macrophage arginase regulation by C/EBP β . Shock 23: 168-172, 2005.
5. **Daley J.M.**, Reichner J.S., Mahoney E.J., Manfield L., Henry W.H. Jr, Mastrofrancesco B., Albina J.E. Modulation of macrophage phenotype by soluble product(s) released from neutrophils. J. Immunol. 174: 2265-2272, 2005.
6. **Daley J.M.**, Thomay, A.A., Connolly, M.D., Reichner, J.S., Albina, J.E. Use of Ly6G-specific monoclonal antibody to deplete neutrophils in mice. J. Leuk. Biol. 83: 64-70, 2008.
7. Thomay A.A., **Daley, J.M.**, Sabo, E., Worth, P.J., Shelton, L.J., Harty, M.W., Reichner, J.S., Albina, J.E. Disruption of Interleukin-1 signaling improves the quality of wound healing. Am J. Path. 174: 2129-2136, 2009.

8. **Daley, J.M.**, Brancato, S.K., Thomay, A.A., Reichner, J.S., and Albina, J.E. The phenotype of murine wound macrophages. J. Leuk. Biol., 887: 59-67, 2010.

ABSTRACTS

1. **Daley, J.M.**, Shearer, J.D. Mastrofrancesco, B., and Caldwell, M.D. A longitudinal study of glucose uptake and lactate production in lambda-carrageenan wounded tissue. Fed. Proc. 46: 326, 1987. Presented at the Meeting of the Federation of American Societies for Experimental Biology, Washington, D.C., 1987.
2. Shearer, J.D., **Daley, J.M.**, Platoniotis, G., and Caldwell, M.D. Substrate supply is the determinant of increased hepatic gluconeogenesis following injury. Fed. Proc. 46: 326, 1987.
3. **Daley, J.M.**, Shearer, J.D., Forster, J., and Caldwell, M.D. A method for isolation of inflammatory cells from wounds. Presented at the Second International Symposium on Tissue Repair, Tarpon Springs, FL, 1987.
4. **Daley, J.M.**, Engeland, W.C., Graeber, C.T., Miller, P., Shearer, J.D., Gann, D.S., and Caldwell, M.D. Wounded hindlimbs release substances with ACTH-like immunoreactivity. Brit J. Surg. 75: 1251, 1988. Presented at Tripartite Meeting of Surgical Research Society, Society of University Surgeons, and European Surgical Research Society, Bristol, UK, 1988.
5. **Daley, J.M.**, Engeland, W.C., Graeber, C.T., Shearer, J.D., and Caldwell, M.D. Release of immunoreactive ACTH and beta-endorphin from injured tissue. Faseb Journal 3: A854, 1989. Presented at the Meeting of the Federation of American Societies for Experimental Biology, New Orleans, LA, 1989.
6. Engeland, W.C., **Daley, J.M.**, Miller, P., Cornell, C., and Caldwell, M.D. Injured tissue promotes increases in plasma immunoreactive ACTH in hypophysectomized rats and alters pituitary-adrenal rhythmicity in intact rats. Endocrinology 124: A1739, 1989.
7. **Daley, J.M.**, Reichner, J.S., Mahoney, E.J., Manfield, L., Henry, W.L.Jr., Mastrofrancesco, B., and Albina, J.E. The wound neutrophil: an anti-inflammatory cell. Inflamm. Res. 52: S107, 2003. Presented at the 6th World Congress on Inflammation, Vancouver, B.C., 2003.
8. **Daley, J.M.**, Ivanenko-Johnston, T., Reichner, J.S., and Albina, J.E., Transcriptional regulation of TNF- α in neutropenia. J. Leukocyte Biol. Suppl 2004: p. 43, 2004. Presented at the Annual Meeting of the Society for Leukocyte Biology, Toronto, Ontario, 2004.
9. Albina, J.E., Reichner, J.S., Connolly, M.D., Mahoney, E.J., and **Daley, J.M.** The wound neutrophil: phenotypic characterization of a macrophage-modulating cell. J. Leukocyte Biol. Suppl 2005: p 32, 2005. Presented at the Annual Meeting of the Society for Leukocyte Biology, Oxford, England, 2005.

10. **Daley, J.M.**, Reichner, J.S., Thomay, A.A., and Albina, J.E. Early wound macrophages express Gr-1. J. Leukocyte Biol. Suppl 2006: p. 95, 2006. Presented at the Annual Meeting of the Society for Leukocyte Biology, San Antonio, TX, 2006.
11. Thomay, A.A., Connolly, M.D., Albina, J.E., and **Daley, J.M.** Distinct phenotypes resulting from two neutrophil-depleting antibodies. Presented at the Annual Meeting of the Society for Leukocyte Biology, San Antonio, TX, 2006.
12. **Daley, J.M.**, Thomay, A.A., Reichner, J.S., and Albina, J.E. The phenotype of wound macrophages. J. Leukocyte Biol. Suppl 2007, p 35, 2007. Presented at the Annual Meeting of the Society for Leukocyte Biology, Cambridge, Massachusetts, 2007.
13. Thomay, A.A., **Daley, J.M.**, Reichner, J.S., and Albina, J.E. The role of IL-1 receptor in wound healing. J. Leukocyte Biol. Suppl 2007, p 16, 2007. Presented at the Annual Meeting of the Society for Leukocyte Biology, Cambridge, Massachusetts, 2007.
14. Thomay, A.A., **Daley, J.M.**, Reichner, J.S., and Albina, J.E. TLR4 determines macrophage polarization but not cellular infiltration in early sterile wounds. J. Am Coll. Surg. 205 (3S): S27, 2007. Presented at the Surgical Forum, Clinical Congress of the American College of Surgeons, 2007.
15. Thomay, A.A., **Daley, J.M.**, Cioffi, W.G., Reichner, J.S. and Albina, J.E. IL-1 receptor knockout mice display fetal-like wound healing. J. Am. Coll. Surg. 207 (3S1): S35, 2008. Presented at the Surgical Forum, Clinical Congress of the American College of Surgeons, 2008.
16. **Daley, J.M.**, Mastrofrancesco, B., Henry, W.L., Reichner, J.S., and Albina, J.E. Wound macrophage phenotype is independent of IL-4 receptor-alpha. FASEB Journal 23:235.10, 2009. Presented at Experimental Biology 2009, New Orleans, LA, 2009.
17. Brancato, S.K., **Daley, J.M.**, and Albina, J.E. TLR4 signaling regulates the macrophage phenotype in early sterile wounds. Presented at the Clinical Congress of the American College of Surgeons, 2010.
18. Brancato, S.K., Thomay, A.A., Augusto, A, **Daley, J.M.**, and Albina, J.E. Macrophage phenotype in sterile wounds in TLR4-incompetent mice. Presented at the Annual Meeting of the Society for Leukocyte Biology, Vancouver, B.C., 2010.
19. **Daley, J.M.**, Rotenberg, J.R., Brancato, S.K., and Albina, J.E. Wound macrophages express MHC Class I and II, express costimulatory molecules, and induce antigen-specific T cell proliferation. Presented at Experimental Biology 2011, Washington, D.C., 2011

INVITED PRESENTATIONS

Panelist, Early career funding opportunities. Faculty Development Workshop, Brown University, April 2006.

GRANTS

Current funding

1. “Heterogeneity of wound macrophages”, Principal Investigator
Principal Investigator: Jean M. Daley MD
Grant #K08GM 79227 NIH
Total Costs: \$607,365 for 5 years
April 1, 2007 – March 31, 2012
2. “Trauma and Inflammation Research Training”, Associate Faculty
Principal Investigator: Jorge E. Albina, MD
Grant #T32GM 65085 NIH
Total Costs: \$170,334 for 5 years
July 1, 2009 – June 30, 2014

Previous funding

2. “Cellular/molecular biology of inflammation and repair”, Co-investigator
Principal Investigator: Jorge E. Albina, MD
Grant #R01GM 42859, NIH (competitive renewal)
Total Costs: \$1,324,400 for 4 years
March 1, 2006 – April 1, 2007
3. “Phenotypic Characterization of Wound Neutrophils”, Principal Investigator
Principal Investigator: Jean M. Daley, MD
Grant #20050238, Rhode Island Foundation
Amount: \$10,000 for one year
January 1, 2005 through December 31, 2005
4. “Supplement to Promote Reentry into Biomedical and Behavioral Research Careers”
Principal Investigator: Jorge E. Albina, MD
Supplement to Grant # RO1GM 42859, NIH
Total Costs: \$315,364 for 2 years 10 months
June 1, 2002 – February 28, 2006.

UNIVERSITY/HOSPITAL TEACHING ROLES

- 2002-present Assistant Professor of Surgery (Research)
Division of Surgical Research, Department of Surgery
Alpert Medical School of Brown University
Provide teaching/guidance/supervision to surgery residents, pathobiology
graduate students, medical students, and undergraduate students in a basic
science research/laboratory environment.
- 1994-1996 Surgical Attending Staff, Memorial Hospital of Rhode Island
Brown University Residency in General Surgery, supervised PGY4 and PGY1
in General Surgery, PGY1 in Family Medicine.
Brown University Program in Medicine, supervised 3rd year (Core Clerkship
in Surgery) and 4th year (Surgery Subintern) students.
- 1994-1996 Preceptor, Surgery Clinic, Memorial Hospital of Rhode Island
Brown University Residency in General Surgery, supervised PGY4 and PGY1
in General Surgery, PGY1 in Family Medicine
Brown University Program in Medicine, supervised 3rd year (Core Clerkship
in Surgery) and 4th year (Surgery Subintern) students.
- 1994-1996 Conference leader, ICU teaching conference (weekly), PGY1 and PGY2
Memorial Hospital of Rhode Island
Brown University Residency in Internal Medicine/MHRI
Brown University Residency in Family Medicine
- 1994-1995 Lecturer, Internal Medicine teaching conferences, PGY1-PGY3
Memorial Hospital of Rhode Island
Brown University Residency in Internal Medicine/MHRI
- 1995 Lecturer, Introduction to Physical Diagnosis (2nd year students)
Brown University Program in Medicine
- 1993-1995 Discussion leader, Core Clerkship in Surgery (3rd year students)
Brown University Program in Medicine