

**CURRICULUM VITAE**  
**RYAN R. FORTNA, MD, PhD**  
**Pathologist, AP/CP/DP**

**Current Contact Information:**

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**Education:**

1995-1999 Bucknell University, Undergraduate Student  
1999-2004 University of Pennsylvania, Cell and Molecular Biology Graduate Group, PhD Graduate Student  
1999-2006 University of Pennsylvania School of Medicine, Medical Student  
2006-2009 University of Pennsylvania, Anatomic Pathology Resident  
2009-2010 University of Michigan, Dermatopathology Fellow

**Board Certifications:**

2009 Certified by American Board of Pathology, Anatomic Pathology  
2010 Certified by American Board of Pathology, Dermatopathology

**Awards:**

1996 CRC Press Chemistry Achievement Award.  
1996-1999 President's Award for Distinguished Academic Achievement, Bucknell University.  
1999 Summa Cum Laude with 4.0 Cumulative GPA, Bucknell University  
2003 American Heart Association Award for Predoctoral/Postdoctoral Research. This award is given to the ten highest scorers from the previous year's AHA fellowship grants in the Pennsylvania/Delaware region  
2008-2009 Ronna J. Lodato Award, Department of Pathology, University of Pennsylvania. This award is given annually "...to the resident whose outstanding spirit and leadership have most contributed to the program."

**Professional Activities:**

- 2007-2008 Leonard Jarett Symposium Committee, University of Pennsylvania.  
2008 Delegate, College of American Pathologists (CAP) Resident's Forum.  
2008 Chief Resident, Anatomic Pathology, University of Pennsylvania.  
2011-Present Director of Molecular Pathology, Northwest Pathology.  
2012-Present Member of Brain Autopsy Service, Northwest Pathology.  
2011-Present Mycosis Fungoides Panel, University of Washington.  
2011-Present Chair, Skagit County Dermatopathology Clinical-Pathologic Conference.  
2011-Present Chair, Whatcom County Dermatopathology Clinical-Pathologic Conference.  
2013-Present Chair, Cancer Committee, United General Hospital (Sedro-Woolley, WA).

**Current License to Practice:**

<u>STATE</u>	<u>INITIAL LICENSE</u>	<u>EXPIRATION DATE</u>
Washington State MD License	2010	01/31/2015
Alaska State MD License	2010	12/31/2014
Nevada State MD License	2013	06/30/2015
Montana State MD License	2013	03/31/2015

**Original Articles:**

Chiang P-M, Fortna RR, Price DL, Li T, Wong PC. Specific Domains in Anterior Pharynx Defective-1 Determine Its Intramembrane Interactions with Nicastrin and Presenilin. *Neurobiology of Aging* 2012. 33:277-285.

Fortna RR, Gudjonsson JE, Seidel G, Dicostanzo D, Jacobson M, Kopelman M, Patel RM. Persistent Pruritic Papules and Plaques: a Characteristic Histopathologic Presentation Seen in a Subset of Patients with Adult-onset and Juvenile Still's Disease. *Journal of Cutaneous Pathology* 2010. 37: 932-938.

Fortna RR, Toporcer M, Elder DE, Junkins-Hopkins JM. A Case of Sweet's Syndrome with Spleen and Lymph Node Involvement Preceded by Parvovirus B19 Infection, and a Review of the Literature on Extracutaneous Sweet Syndrome. *American Journal of Dermatopathology* 2010. 32: 621-627.

Fortna RR, Junkins-Hopkins JM, A Case of Lobular Capillary Hemangioma (Pyogenic Granuloma) Localized to the Subcutaneous Tissue, and a Review of the Literature. *American Journal of Dermatopathology* 2007. 29: 408-411.

Morais VA, Brito C, Pijak DS, Crystal AS, Fortna RR, Li T, Wong PC, Doms RW, Costa J. N-glycosylation of Human Nicastrin Is Required for Interaction with the Lectins from the Secretory Pathway Calnexin and ERGIC-53. *Biochimica et Biophysica Acta* 2006. 1762: 802-810.

Crystal AS, Morais VA, **Fortna RR**, Carlin D, Pierson TC, Wilson CA, Lee VM, Doms RW. Presenilin Modulates Pen-2 Levels Posttranslationally by Protecting It from Proteosomal Degradation. *Biochemistry* 2004. 43: 3555-3563.

**Fortna RR**, Crystal AS, Morais VA, Pijak DS, Lee, VM-Y, Doms RW. Membrane Topology and Nicastrin-enhanced Endoproteolysis of APH-1, a Component of the  $\gamma$ -Secretase Complex. *Journal of Biological Chemistry* 2004. 279: 3685-3693.

Prevost N, Woulfe DS, Tognolini M, Tanaka T, Jian W, **Fortna RR**, Jiang H, Brass LF. Signaling by ephrinB1 and Eph Kinases in Platelets Promotes Rap1 activation, Platelet Adhesion and Aggregation via Effector Pathways that Do Not Require Phosphorylation of ephrinB1. *Blood* 2004. 103: 1348-1355.

**Fortna RR**, Watson HA, Nyquist SE. Glycosyl Phosphatidylinositol-Anchored Ceruloplasmin Is Expressed by Rat Sertoli Cells and Is Concentrated in Detergent-Insoluble Membrane Fractions. *Biology of Reproduction* 1999. 61: 1042-1049.

#### **Editorials, Reviews and Book Chapters:**

**Fortna RR** and Wertheim G, Review of the Knowledge Hub for Pathology (USCAP online educational materials). *Human Pathology* 2007. 38: 1724

Woulfe D, Yang J, Prevost N, O'Brian P, **Fortna R**, Tognolini M, Jiang H, Wu J, Brass L. Signaling Receptors on Platelets and Megakaryocytes. *Methods in Molecular Biology* 2004. 273: 3-32.

Woulfe D, Yang J, Prevost N, O'Brian P, **Fortna R**, Tognolini M, Jiang H, Wu J, Brass L. Signaling Receptors on Platelets and Megakaryocytes in Platelets and Megakaryocytes Volume 2: Perspectives and Techniques. ed. Gibbins JM and Mayhau-Smith MP. Human Press. 2003.

#### **Abstracts:**

**Fortna RR** and Patel RM. Persistent papules and plaques of Still's disease: clinical-pathologic description of two cases. American Society of Dermatopathology annual meeting, 2009

**Fortna RR**, Pasha R, Elenitsas R, Xu X. Differential Nuclear Patterns of BMI-1 Expression in Melanomas and Benign Nevi. *Modern Pathology*, 2008. 21 (suppl.): 93A-94A.

**Fortna RR** and Junkins-Hopkins JM, A Case of Sweet's Syndrome with Probable Spleen and Lymph Node Involvement. *Journal of Cutaneous Pathology*, 2008. 35: 104-105.

**Fortna RR**, Elder DE, Elenitsas R, and Junkins-Hopkins JM, Collagenous Papules of the Aural Conchae: Histology Evaluation of Three Cases. *Journal of Cutaneous Pathology*, 2008. 35: 165.

**Fortna RR** and Junkins-Hopkins JM, A Case of Lobular Capillary Hemangioma (Pyogenic Granuloma) Localized to the Subcutaneous Tissue, and a Review of the Literature. *Journal of Cutaneous Pathology*, 2008. 35: 157-158.

**Fortna RR**, Schaller N, Morais VA, Crystal AS, Li T, Lee VM-Y, Wong RC, Doms RW. Assembly, Trafficking, and Activity of the Gamma-Secretase Complex. *Neurobiology of Aging* 2004. 25: S566.

Morais VA, **Fortna RR**, Crystal AS, Pijak DS, Li T, Wong PC, Costa J, Lee VM-Y, Doms RW. Association and Localization of Nicastrin Influences the Activity of the Gamma-Secretase Complex. *Neurobiology of Aging* 2004. 25: S555.

Woulfe D, Jiang H, Tognolini M, **Fortna R**, Brass LF, Prevost N. A Role for Eph Receptor-Ephrin Interactions in Contact-dependent Signaling During the Late Phases of Platelet Aggregation. *Keystone Symposia 2003: Signaling Via Cell-Cell Interactions*. Abstract 328.

Prevost N, **Fortna R**, Tognolini M, Woulfe D, Wu J, Brass LF. Contact-dependent Signaling by Eph Kinases and Ephrins Promotes the Late Phases of Platelet Activation Including Clot Retraction. *Blood* 2002. 100: 477A.

Woulfe D, Prevost N, Jiang H, Tognolini M, **Fortna R**, Brass LF. Eph Receptor-ephrin Interactions Contribute to the Tyrosine Phosphorylation of the Cytoplasmic Domain of the  $\beta$  Subunit of  $\alpha$ IIb $\beta$ 3 During Platelet Aggregation. *Blood* 2002. 100: 477A-478A.

Yang J., Shiraga M., **Fortna R.**, Wu J, Shattil S., Brass L. The G-protein Gz is Expressed Late in Megakaryocyte Development and Is Selectively Coupled to Platelet  $\alpha$ 2A-adrenergic Receptors. *Thrombosis and Haemostasis* 2001 (suppl.), Abstract 204.

Yang J, **Fortna R**, Wu J, Kowalska A, Prevost N, O'Brien P, Woulfe D, Manning D, Poncz M, Brass L. Deletion of the Gene Encoding the  $\alpha$  Subunit of the G protein, Gz, Results in Impaired Platelet Activation and Increased Resistance to Disseminated Thrombosis. *Blood* 2000. 96 (11): 242A.

**Fortna RR**, Nyquist SE. GPI-anchored Ceruloplasmin Is Present on the Sertoli Cell Surface and Is Concentrated in Detergent-Insoluble Cell Extracts. *Journal of Andrology* 1999. 20 (suppl.): 52.

Watson HA, **Fortna RR**, Nyquist SE. GPI-anchored Proteins on the Sertoli Cell Surface. *Journal of Andrology* 1998. 19 (suppl.): 30.