**Pamela Wirth,** **Ph.D.**

WORK HISTORY

**TRIDENT** **UNIVERSITY** **INTERNATIONAL** **|** **Cypress,California**

**August 2016** **to** **Present**

***Department Chair*** ***–*** ***University*** ***College***

Academic leader responsible for the overall development and academic integrity of science courses within the general education department. Duties include new and ongoing course development, creation of assessment tools and rubrics, participation on cross-functional teams including University Curriculum Committee, IRB, General Education, and Curriculum Innovation Workgroup. Facilitate ongoing development and mentoring of faculty. Assign adjunct faculty to courses, conduct performance evaluations and selection of new faculty for hire. Resolve escalated student complaints; oversee student progress and evaluation.

**SOUTHERN NEW HAMPSHIRE UNIVERSITY** **|** **Manchester,** **New Hampshire**

 **January 2012** **to** **Present**

***Faculty Lead/Online Adjunct Instructor*** ***–*** ***Science Department***

Perform duties related to online instruction including: posting faculty guidance and expectations, participating in classroom discussion boards, grading assignments, and promptly responding to student inquiries. Responsible for keeping faculty informed of policies and procedures, coaching them on strategies for student engagement and sharing of best practices. Participation in curriculum oversight, evaluation of courses, serving as subject matter expert and effective mentor and coach to adjunct instructors.

**VENTANA MEDICAL SYSTEMS** **|** **Tucson, Arizona**

**January 2011** **to** **May 2014**

***Senior Scientist***

Responsible for the review and interpretation of immunohistochemistry investigations for product design and development, supported the transfer and release of new products and assisted in the development and transfer of assays to manufacturing. Oversaw the mentoring and training of junior scientists and research associates as well as conducted histology education for all staff members.Received Qualified Slide Reader status by the Medical Affairs Office to assist in the interpretation of microscopic tissue slides for quality control, product optimization and data input for experimental design.

**OWLEARNING.NET**

***Creator and Developer***

**Developer and designer of OWLearning.net, a remote-based educational website and blog providing training and resources to help aspiring online instructors become successful at distance teaching and learning. Examples of faculty training courses and projects can be found here:** <http://www.owlearning.net>

**RASMUSSEN COLLEGE** **|** **Bloomington, Minnesota**

 **2008** **to** **2011**

***Online Adjunct Instructor***

Taught lecture components of Introduction to Anatomy & Physiology using Angel learning management system.

**NATIONAL COLLEGE OF BUSINESS AND TECHNOLOGY** **|** **Nashville,** **Tennessee**

 **2003** **to** **2004**

***On-Ground Adjunct Instructor***

Taught lecture components of Anatomy & Physiology, Medical Terminology and Medical Ethics courses to allied health students.

EDUCATION

Ph.D. Virginia Commonwealth University, 2010

 Area of Study: Health Related Sciences

Dissertation: *The Prognostic Potential of the Epidermal Growth Factor Receptor and Nuclear Factor Kappa β Pathways and Associated Therapeutic Strategies in Patients with Squamous Cell Carcinoma of the Head and Neck*

M.S. Northeastern Illinois University, 1999

Area of Study: Biology

B.S. Virginia Polytechnic and State University, 1995

Area of Study: Biology

Graduate Certificate University of Wisconsin, Stout, 2015

 Area of Study: Instructional Design

CERTIFICATIONS

* Certified Peer Reviewer, Quality Matters, July 2016
* Histotechnologist (HTL) ASCP #1932
* Qualification in Immunohistochemisty ASCP (renewal 2018)

PATENTS

Grille, J, Kelly, B., Kosmeder, J., May, E., Sebastiao, N., Wirth, P. (2016). Compositions and Methods for Simultaneous Inactivation of Alkaline Phosphatase and Peroxidase Enzymes During Automated Multiplex Tissue Staining Assays. U.S. Patent No. WO 2016/180747 A1. Penzberg (DE).

PAPERS AND PUBLICATIONS

Wirth, P. (2015). From Dull to Dynamic: How to Engage Learners in an Online Science Course <http://elearningindustry.com/dull-dynamic-engage-learners-in-an-online-science-course>

Wirth, P. (2015). 5 Ways to Enhance Your Online Science Course Using Interactive Whiteboards

<http://elearningindustry.com/5-ways-enhance-online-science-course-using-interactive-whiteboards>

Wirth, P. (2015). Online Collaboration: Should You Be Targeting Your Online Faculty Instead of Competing for Online Students? <http://elearningindustry.com/online-collaboration-targeting-online-faculty-instead-competing-online-students>

Gilbert J, Murphy B, Dietrich MS, Henry E, Jordan R, Counsell A, Wirth P, Yarbrough WG, Slebos RJ, Chung CH (2012). [Phase 2 trial of oxaliplatin and pemetrexed as an induction regimen in locally advanced head and neck cancer.](http://www.ncbi.nlm.nih.gov/pubmed/21766301) Cancer, 118 (4): 1007-1013.

Hiromitsu Hatakeyama, Haixia Cheng, Pamela Wirth, Ashley Counsell, Samuel R. Marcrom, Carey Burton Wood, Paula R. Pohlmann, Jill Gilbert, Barbara Murphy, Wendell G. Yarbrough, Deric L.Wheeler, Paul M. Harari, Yan Guo, Yu Shyr, Robbert J. Slebos, Christine H. Chung (2010). Regulation of Heparin-Binding EGF-Like Growth Factor by miR-212 and Acquired Cetuximab-Resistance in Head and Neck Squamous Cell Carcinoma. *PLoS ONE*, 5 (9): 1-13.

Law JH, Whigham AS, Wirth PS, Liu D, Pham MQ, Vadivelu S, Kirkbride KC, Brown BT, Burkey BB, Sinard RJ, Netterville JL, Yarbrough WG (2009). [Human-in-mouse modeling of primary head and neck squamous cell carcinoma.](http://www.ncbi.nlm.nih.gov/pubmed/19693929?itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_RVDocSum&ordinalpos=1) *Laryngoscope*, 119(12):2315-23.

[Baumann JL](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Baumann%20JL%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Cohen S](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Cohen%20S%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Evjen AN](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Evjen%20AN%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Law JH](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Law%20JH%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Vadivelu S](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Vadivelu%20S%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Attia A](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Attia%20A%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Schindler JS](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Schindler%20JS%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Chung CH](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Chung%20CH%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Wirth PS](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Wirth%20PS%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Meijer CJ](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Meijer%20CJ%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Snijders PJ](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Snijders%20PJ%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Yarbrough WG](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Yarbrough%20WG%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus), [Slebos RJ](http://www.ncbi.nlm.nih.gov/sites/entrez?Db=pubmed&Cmd=Search&Term=%22Slebos%20RJ%22%5BAuthor%5D&itool=EntrezSystem2.PEntrez.Pubmed.Pubmed_ResultsPanel.Pubmed_DiscoveryPanel.Pubmed_RVAbstractPlus). (2009). Human papillomavirus in early laryngeal carcinoma. *Laryngoscope**,* 119 (8), 1531-1537.

Chaurand P, Latham J, Lane K, Mobley J, Polosukhin, V, Wirth P, Nanney L & Caprioli R. (2008). Imaging Mass Spectrometry of Intact Proteins from Alcohol Preserved Tissue Specimens: Bypassing Formalin Fixation. *Journal of Proteome Research,* 7 (8), 3543-3555.

[Welch DC, Wirth PS, Goldenring JR, Ness E, Jagasia M, & Washington K.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=AbstractPlus&list_uids=16625089&query_hl=3&itool=pubmed_docsum) (2006). Gastric graft versus-host disease revisited: does proton pump inhibitor therapy affect endoscopic gastric biopsy interpretation? *American Journal of Surgical Pathology*, 4, 444-9.

TGFβR2 inactivation promotes the establishment and progression of colon Cancer (2004). Swati Biswas, Anna Chytil, Kay Washington, Judith Romero-Gallo, Agnieszka E. Gorska, Pamela S. Wirth, Shiva Gautam, Harold L.Moses, William M. Grady. *Cancer Research*.

Comparison of Staining Characteristics of Apoptotic Markers. (2005).Journal of Histotechnology. Pamela Wirth and Sandra Olson. *Journal of Histotechnology*. 28 (1), 29-31.

POSTERS/ABSTRACTS

Reagents and Methods for Simultaneous Inactivation of Alkyline Phosphatase and Peroxidase Enzymes during Automated Multiplex Tissue Staining Assays. Eric May, Brian Kelly, Pam Wirth, James Grille, Hiro Nitta, Bill Day, Noemi Sebastiao, and Jerry Kosmeder. Science and Technology Fair, Tucson, AZ October 2012.

Accelerated stability testing and Failure Root Cause of anti-NP AP Multimer bulk reagent used in Apollo detection reagents. Julian Boggiano1, Rebecka Lawrence1, Pamela Wirth1, Christy Bell1, Zhanna Zhilina1 and David Javier1. Science and Technology Fair, Tucson, AZ October 2012.

Improved nuclear detail and specificity with Hematoxylin III. Pamela Wirth, Eric May, Brian Kelly, Noemi Sebastiao, Monesh Kapadia, Tatiana Halwood, Adrian Murillo, Danielle Brands, David Javier, Jerry Kosmeder and Michael DeGroff. Science and Technology Fair, Tucson, AZ October 2011.

Detection of the lymphoma and lung panel antibodies using Optiview IHC system. Zhanna Zhilina, Benjamin Heitz, Tatiana Halwood, Erica Olivas Brochu, Leo Mendoza, Katie White, Pamela Wirth, David Javier, Danielle Brands, Julia Ashworth-Sharpe, Adrian Murillo, Brian Kelly, Eric May, Jerry Kosmeder, Monesh Kapadia, John Palting, Mark Torowus, Chris Moore, Mike DeGroff. NSH Annual Meeting. September 2011.

Optimization of dual IHC stain using new Ventana Optiview IHC DAB detection kit.

Maria R Fischette, DO, Pamela Wirth, PhD, Noemi Sebastiao, RT. NSH Annual Meeting. September 2011.

Decreased expressed of ZO-1 in colonic adenocarcinomas. Calhoun BC, Pearson AS, Wirth P, Washington MK. Vanderbilt University MedicalCenter, Nashville, TN. USCAP meeting 2004.