


Updating your Faculty Profile using eCV

Data you enter into eCV creates your faculty profile, centralizing information about your research, publications, awards, and so on. To keep your profile up to date, login to eCV periodically to fill in your latest information. The layout below shows how each section of your faculty profile relates to data you enter into eCV.

On the left, under “Edit eCV Data,” a drop-down menu shows the options for adding your information. The more of the highlighted categories you can complete, the better; online visitors are interested in all your accomplishments. The sample faculty profile in the center uses color-coded numbers to illustrate where in eCV you go to update these individual sections.

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1 *First Name, Middle Name, Last Name, Suffix*

Terry Connell PhD

Department of Microbiology and Immunology
 Professor of Microbiology and Immunology, Adjunct Professor of Oral Biology,

2 *Current Position (please use state title)*

Specialty/Research Focus

Allergy and Immunology; Infectious Disease; Medical Microbiology; Microbiology; Genomics and proteomics; Immunology; Microbial Pathogenesis; Molecular and Cellular Biology; Molecular basis of disease and Parasitology; Molecular genetics; Regulation of gene expression; Signal Transduction

3 *General Specialties + Research Focus*

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Professional Summary: **4** *Self Description / Biographical Sketch:*

Research in my laboratory is focused upon two distinct projects in the fields of Immunology and Bacterial Pathogenesis that address complementary aspects of host-pathogen interactions. Bacterial pathogenesis: The ability to scavenge iron from host tissues is critical to successful bacterial infection. *Bordetella* spp. infect the upper respiratory tract in children, young adults, and domesticated animals. These bacteria acquire iron from their host using proteins encoded by *hurIR-bhuRSTUV*, *ecfIR-bfrH*, and other gene clusters. Both the *bhuR* and *bfrH* systems require the functions of extracellular signals that regulate the activity of specific sigma factors (ECF) which control expression of the gene clusters.

Education: **5** *Degree Elaboration, Discipline, Granting Institution, Year Granted*

- Doctor of Philosophy, University of North Carolina, Chapel Hill, 1989
- Master of Science, University of Alabama, 1981
- Bachelor of Science, University of Alabama, 1977

Awards and Honors: **6** *Name of Honor / Award (Honor Date)*

- Individual Development Award, United University Professions (2008)
- Nat'l Inst. of Dental & Craniofacial Research, Independent Scientist Award (2006)
- Inventor of the Year, Life Sciences (2006)
- Individual Development Award, United University Professions (2005)
- University of Buffalo, Recognition as a UB Top 100 Federal Grantee (2005)
- Certificate of Recognition for Dedication to Students, University at Bflo (2005)
- University of Buffalo, Recognition as a UB Top 100 Federal Grantee (2002)
- Individual Development Award, United University Professions (1999)
- Term Faculty Development Award, NY State/United University Professions (1995)
- National Research Service Award Traineeship (1989)
- Graduate Council Fellowship, University of Alabama (1978)

Contact Information

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 [View Map](#)

- 14** *Description*
[Address](#)
[City, State, Zip](#)
[Phone](#)
[Fax](#)
[Email](#)

Website

> www.smbs.buffalo.edu/wcmpi/Faculty/connell.html

- 15** *URL to Personal Web Page*

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Research Expertise: [7 Expertise Title, Details](#)

- Bacterial Genetics; MOLECULAR GENETICS OF IRON ACQUISITION IN THE BORDETELLAE: One focus of my laboratory is to investigate the mechanisms by which Bordetella pertussis, B. bronchiseptica, and B. avium, three gram-negative bacteria that infect the upper respiratory tract of children and domesticated animals, acquire essential nutrients required to colonize the respiratory tract and to sustain progressive infections.
- Bacterial Pathogenesis;
- Molecular and cellular immunology;

Grants and Sponsored Research: [8 Begin Date, End Date, Name of Grant, Funding Agency, Contributor List, Cost](#)

- January 2010-December 2012
Development of a chimeric protein as a novel multivalent delivery vehicle for inducing protective immune responses to pathogens on mucosal surfaces
The Oishei Foundation
Terry Connell
\$195,120
- August 2006-July 2011
Type II enterotoxins as mucosal immunomodulators
National Institutes of Health
Terry Connell, Michael Russell
\$1,150,000

Patents: [9 Short Description, Description, Date \(Year\)](#)

- * Chimeric antigen-enterotoxin mucosal immunogen; A method for inducing immune responses by recombinant antigen-enterotoxin chimeric mucosal immunogens that contain the A2/B subunits of cholera toxin or the type II heat-labile enterotoxins. (2005)

Journal Articles: [10 Publications](#)

- * Berenson CS, Nawar HF, Yohe HC, Castle SA, Ashline DJ, Reinhold VN, Hajishengallis G, Connell TD; Mammalian cell ganglioside-binding specificities of E. coli enterotoxins LT-IIb and variant LT-IIb(T131).; *Glycobiology*; 2010; 20; 1

Book Chapters:

- * Terry Connell, Barritt, D.S., Black, W.J., Kawula, T. H., Klapper, D.G., Schwalbe, R.S., Stephenson, A., Cannon, J.G.; Genetic and biochemical analyses of protein II; *Gonococci and meningococci*; 1988

Professional Memberships: [11 Professional Organization Name, Date \(Year\)](#)

- * American Association for the Advancement of Science (1996)
- * American Society for Microbiology (1996)
- * Center for Advanced Molecular Biology and Immunology (1996)

Presentations: [12 Presentation Title, Meeting / Conference, Organization, Date\(Year\)](#)

- * Heme acquisition: a heme-regulated virulence determinant of the Bordetellae; Invited seminar, Georgia State University; Georgia State University (2003)
- * The role of Type II enterotoxins in mucosal adjuvant stimulation; Invited seminar, GlaxoSmithKline (Belgium); Vaccine group (2003)

Service Activities: [13 Service Short Description, Description, Role, Date\(Year\)](#)

- * Microbiology: Reviewer (ad hoc); Ad Hoc Reviewer (2003)
- * Microbiology: Reviewer (ad hoc); Ad Hoc Reviewer (2003)
- * President, WNYASM; Western New York Branch of the American Society of Microbiology; President