



Mary Ann McLane, PhD, MLS(ASCP)^{cm}

- Retired Professor in the Medical Laboratory Sciences Department at the University of Delaware after 22 years of service
- Recipient of Lifetime Achievement Award from ASCLS, 2017
- President of the American Society for Clinical Laboratory Science (2009-10), installed in Chicago at our annual meeting, July 25, 2009
- Teaching expertise: Clinical Chemistry, Urinalysis and Body Fluids, Laboratory Mathematics, Medical Terminology and Professional Development
- View the photo gallery from trips made to Washington DC for the annual ASCLS Legislative Symposium: www.flickr.com/photos/115385689@N08/
- Certification Review seminars to prepare students to take national certification exams: answers to my most recent review are [here](#).
- **Research:** Evidence-Based Medicine, the connection between diagnostic lab tests and patient outcomes; The structural basis for potency and receptor selectivity of a group of snake venom proteins (the disintegrins) which can affect many cellular processes, such as blood clotting and cancer metastasis
- Read my articles/abstracts:
 - [Katz C, McNichols K, Bounds R, Figurelle T, Jones C, Farley H, Witkin G, McLane MA, Johnson SR. The ALERT system improves patient safety by enhanced communication between emergency department clinicians and medical laboratory staff.](#)
 - [Hailey S, Adams E, Penn R, Wong A, McLane MA. Effect of the disintegrin eristostatin on melanoma-natural killer cell interactions.](#)
 - [Laudicina R, Fenn JA, Freeman V, McCoy C, McLane MA, Mudnt L, Polancic J, Randolph T, Shanahan K. Research in Clinical Labroatory Science: Professionals' Education Preparation.](#)
 - [Disintegrins in health and disease](#)
 - [Inhibition of lung tumor colonization and cell migration with the disintegrin crotatroxin 2 isolated from the venom of Crotalus atrox](#)

- [Scientific and standardization committee communications: classification and nomenclature of disintegrins isolated from snake venoms](#)
- [Inhibition of melanoma cell motility by the snake venom disintegrin ristostatin](#)
- [Monomeric and dimeric disintegrins: Platelet-active agents from viper venom](#)
- [The disintegrin echistatin stabilizes integrin \$\alpha\$ IIb \$\beta\$ 3's open conformation and promotes its oligomerization](#)
- [Scratching below the surface: Wound healing and alanine mutagenesis provide unique insights into interactions between ristostatin, platelets and melanoma cells. Pathophys Haemost Thromb 34: 164-168, 2005.](#)
- [Molecular engineering of an EGFP/disintegrin-based integrin marker.](#)
- [The disintegrin echistatin stabilizes \$\alpha\$ IIb \$\beta\$ 3's open conformation and promotes its oligomerization.](#)
- [Disintegrins](#)
- [New insights on disintegrin-receptor interactions: ristostatin and melanoma cells.](#)
- [ADVANCE for Medical Laboratory Professionals, graduation 2003 issue](#)

If you have comments or suggestions, email me at mclane@udel.edu