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| **Martina Q. McGarvey**  | ***Director of Bureau of Laboratories (2007)*** |
| D.M. Management of Organizational Leadership University of PhoenixM.S. ChemistryShippensburg UniversityB.S. Chemistry/PA Department of Education Teaching Certificate Shippensburg University | Acting Chief, Organic Chemistry Section (2007)Chief, Automated Analysis and Biochemistry Section (1999)Chemist I / II, Organic Chemistry Section (1989)Chemical Technician, Automated Analysis and Biochemistry Section (1988)Martina's training consists of instrumental courses and seminars involving titration principles, supercritical fluid extraction, quality assurance/control statistics, methods in gas chromatography, and interpretation of mass spectroscopy. She developed the Bureau's Supercritical Fluid Extraction and Cleanup of Fish Tissue Method for the determination of PCBs by gas chromatography, which was presented at the 1994 Pittsburgh Conference of Analytical Chemistry and Applied Spectroscopy. In addition, she was a recipient of the 1999 DEP's Excellence Award as a member of the Bureau's Particulate Matter 2.5 micron analysis team. |
| **Tarulatta S. Upadhyay**   | ***Technical Director (2008)*** |
| M.S. Organic ChemistryMaharaja Sayajirao University of Baroda, IndiaB.S. ChemistryMaharaja Sayajirao University of Baroda, India | Chemist IV, Acting Chief, Automated Analyses/Biochemistry Section (2007)Chemist III, IV, Chief, Radiation Measurement Section (2000, 2005) Chemist III, Automated Analysis and Biochemistry Section (1999)Chemistry Technician /Chemist I/II, Organic Chemistry Section (1994)Taru has performed various chemical analyses on environmental samples using organic, inorganic and radiochemical methods as a chemist at DEP Bureau of Laboratories. Taru has managed special projects and the implementation of new methods / procedures across all analytical disciplines and currently supervises daily sample analyses in all six laboratory sections. |
| **Aaren Alger**   | ***Chemist IV, Section Chief, Laboratory Accreditation Program (2007)*** |
| B.S. ChemistryMessiah College | Acting Chief, Laboratory Accreditation Program (2006) Chemist II, Laboratory Accreditation Program (2001)Chemist I, Automated Analysis and Biochemistry Section (1999)Previously, Aaren worked for a commercial environmental laboratory in Mechanicsburg performing inorganic chemistry and basic microbiology analyses. Her recent experience at the Bureau includes development of environmental laboratory accreditation regulations, performing peer evaluations of NELAP-recognized Accreditation Bodies, and serving as chair of the NELAP Accreditation Council and a member of the TNI Board of Directors.  |
| **Janelle Barry**  | ***Chemist III, Section Chief, Radiation Measurements Section (2011)*** |
| B.S. ChemistryMillersville University | Chemist I, Radiation Measurement Section (2009) Before joining the Bureau, Janelle was employed as a chemist for a private personal care/pharmaceuticals laboratory. Her recent experience involves multiple methods for the detection of gross alpha/beta, Radium-228, Radium-226, Radon-222, and specific isotopes of Uranium, Plutonium, and Thorium in various matrices.  |
| **June Black**  | ***Chemist IV, Section Chief, Organic Chemistry Section (2007)***  |
| B.A. ChemistryMount Holyoke College | Chemist II, Organic Chemistry Section (1999)June previously worked as organic chemistry supervisor for a commercial laboratory in York, PA and an environmental consulting firm. In addition to collecting and analyzing samples from Massachusetts to Alaska, she was instrumental in achieving laboratory accreditation for this small firm.  June has performed volatile organic analysis by gas chromatography and mass spectroscopy and enhanced Bureau methods for the detection of pesticide and PCB analysis of fish tissue samples. |
| **Mary Burns** | ***Administrative Officer II, Management Services (2013)*** |
| Ph.D. Cell/Developmental Biology UMDNJ/Rutgers UniversityM.S. Biology, Rutgers UniversityB.S. MicrobiologyPennsylvania State University | Mary completed the Pa. Management Associate Program just prior to her current position. In addition, she previously held postdoctoral positions that included management of laboratory personnel, research grant applications to the National Institutes of Health, and an international study of human skin pigmentation genetics. Mary has published several research articles involving gene expression in neural tissues and RNA localization in amphibian oocytes.  |
| **Carmen Gaston**  | ***Chemist IV, Section Chief, Trace Metals and Sample Receiving (2010)*** |
| B.A. ChemistryWest Virginia Wesleyan College | Chemist I / II, Trace Metals and Sample Receiving Chemistry Technician I/II, Trace Metals (1987)Over her many years at the Bureau, Carmen has employed analytical methods involving flame atomic absorption spectrometry, graphite furnace, and mercury cold vapor techniques. More recently, she has also performed inductively coupled plasma/mass spectrometry analyses on matrices such as water, waste, tissue and air filters.  |
| **Pamela J. Higgins**  | ***Special Assistant to Laboratory Operations (2011)*** |
| Ph.D. BiochemistryUniversity of Notre DameB.S. Chemistry and BiologyDeSales University | Pamela previously taught chemistry and biochemistry courses at Pennsylvania colleges and universities while publishing research involving the organic synthesis and bioactivity of unnatural amino acids. She currently develops special projects across all laboratory disciplines. Pamela contributed to new molecular/ biochemical Bureau methods for the detection of microcystin toxins, triazine pesticides, and human *Enterococcus* contamination in surface water and has served as the Bureau’s Radiation Safety Officer since 2012. |
| **William Mowery**  | ***Chemist IV, Section Chief, Automated Analysis/Biochemistry Section (2008)***  |
| B.S. Biology/Pre-Medical  TechnologyShippensburg University | Chemist II, Trace Metals and Sample Receiving (1993) Chemist I / II, Automated Analysis and Biochemistry Section (1988) Chemistry Technician, Biological Services Section (1986)Prior to his career with the state, Bill worked at several private laboratories and performed medical research at Ft. Detrick in the Army from1975 -1978.  |
| **Tony Russo**  | ***Microbiologist III, Section Chief, Biological Services* *Section (2009)*** |
| B.A. BiologyShippensburg University | Before coming to the Bureau, Tony served as the Food Safety Microbiology Supervisor for the PA Department of Agriculture. With over 25 years of laboratory experience, he has performed a diverse array of microbiology assays focused on sanitary indicator organism detection in water, dairy, and food products. Tony has extensive experience in detection and identification of pathogenic bacteria and protozoa involving food/ waterborne illnesses.  |
| **L. Chris Wilkinson**  | ***Chemist IV, Section Chief, Air Chemistry and Gravimetric Services* *(1997)***  |
| B.S. Medical Technology Pennsylvania State University | Chemist III,Air Chemistry and Gravimetric Services (1989) Chemist I / II, Air Chemistry and Gravimetric Services (1982) Chemistry Technician, Air Chemistry and Gravimetric Services (1980)Chris has been involved with the analysis of fuels, paints and coatings, filters, asbestos and microscopic matter for the Bureau of Air Quality and water samples for organic halides, hydrocarbons, and solids for multiple agencies. She maintains and interfaces analytical instruments for data upload to the Bureau's Laboratory Information Management System (LIMS), serves as a backup for DEP’s Sample information System (SIS), and provides PC support. |