

NOLAN W. WATSON

LABORATORY PLANNER

Nolan's 35 years of experience in the scientific and academic community include applied research and teaching in physiology and bioengineering. He has designed and managed worldwide projects in health sciences, medical research, physiology, biophysics, bioengineering, environmental science, veterinary science, chemistry, and clinical pathology.

As former Director of Academic Services and Manager of Health Sciences Facilities at the University of Washington, Nolan's expertise encompasses virtually all aspects of capital facility planning and management.

- As a scientist, Nolan worked on the team that developed the first medical application of ultrasound, the first physiological data telemetry system, and the first remote controlled anesthesia device for animals.
- As a research administrator, he has established space planning and design criteria for major secondary educational institutions, managed major capital program expansions, directed value engineering and construction management programs, and served as director of technical services
- As a facility programmer and designer, he has planned major scientific facilities for universities, research institutions, Fortune 500 companies, and Local, State and Federal Agencies. His facility design work has included traditional wet-bench laboratories, teaching and research laboratories, biotechnology, fabrication and process, medical, and telemetry / telecommunications.
- As an author and scholar in the field of scientific facilities and research protocols, Nolan has authored over twenty major publications in professional journals and texts.
- Finally, as a teacher, Nolan has served as Director of Basic Sciences Teaching for Health Sciences and as an instructor in bioengineering.

Nolan has served on the Board of Directors of Claris Corporation and the Apple University Consortium; he presently serves as Emeritus Chairman of the Board of the Prince William Sound Science Center.

Nolan was selected by NIH-NIAID in 2003 to be part of the Special Review panel for the National and Regional Biocontainment Laboratories.

SEMINAR PRESENTATIONS

-“BSL-2, BSL-3, ABSL-3 and BSL-3Ag- A BIG Difference”
A seminar covering Biocontainment lab and animal facilities from the simplest to the most complex. Issues of design, protocol, commissioning, operation, decontamination, waste treatment and selection are addressed. University of Washington Health Sciences. November 2003



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-“BSL-2, BSL-3 and BSL-3Ag- A BIG Difference”

- R&D Lab Design Fall 2003 Conference
- Nolan W. Watson and Mike Connor

“Is Your Cow Mad? (TSE, CJD, BSE and you)”

- Seminar presented at the 32nd Annual Conference of the Association for Multidiscipline Education In Health Sciences, Sponsored by The University of Washington

“A Rational Basis For Biocontainment”

- CDC’s 5th National Symposium on Biosafety, Atlanta, GA

“Designing A Modern Microbiological Laboratory in the New Millennium”

- Northern California Microbial Diseases Laboratories, Berkeley, CA
- Eleanor Ford Memorial Lecture at the Northern California Association Of Public Health Microbiologists Annual Spring Meeting 2000 (CDC Accredited Course)

HIGHLIGHTED EXPERIENCE

Alaska Department of Health and Social Services, Various Locations, AK

- Preliminary Needs Analysis and Facilities Assessment
- Consultant and Peer Review for 2nd Phase, including Consolidation, Privatization, Programming and Site Selection Criteria
- Anchorage T.B. Laboratory Renovation for Consolidation of all Statewide T.B. tests
- Public Health Lab Interim Consolidation Plan and New BL-3 Labs

Department of Energy-Pacific Northwest National Laboratory, Richland, WA

- Conversion of BSL-2 to BSL-3 laboratories

Idaho State Health Laboratories, Boise, ID

- BSL-3 Laboratory Addition

Medical College of Georgia, Augusta, GA

- Planning & Programming of Research Facilities, incl. BSL3-Animal Facility

NIH Rocky Mountain Laboratories, Hamilton, MT

- Biological Research Laboratory Facility including four Biosafety Level 3 Suites for Housing Infected and Contagious Animals
- NIH-Phoenix Epidemiology & Clinical Research Branch, Phoenix, Arizona Research labs, animal facilities and large metabolic chamber

Oregon Health Sciences University, Portland, OR

- Molecular Biology Research Facility
- BL-3 Animal Holding Suites
- Dept. of Pediatrics Biomedical Research

University of Washington - School of Medicine and School of Pharmacy

- School of Public Health BSL-3 facility
- Combination BSL-3 and Barrier Facility
- Dept. of Pediatrics Biomedical Research

University of Georgia - Athens, GA

- BSL-3ag, BSL-3 and BSL-2 Research facility
- BL-3 Animal Holding Suites
- Eminent Scholar reserach at BSL-2 and BSL-3

