



## CURRICULUM VITAE

**Dr. Alan L. Gillen**

### **EDUCATION:**

**Ed. D.** Science Education, University of Houston, Houston, TX., August, 1990.

**Graduate Study**, Physiology and Microbiology, Baylor College of Medicine, Houston, TX. Summers, 1985-1992.

**M. S.** Zoology, The Ohio State University, Columbus, OH, June 1980.

**B. A.** Biology, Washington & Jefferson College, Washington, PA, June, 1978.

**Certification** Texas Life High School, Biology and Composite Science; 1984.

### **BOOKS AUTHORED:**

Gillen, A. L., Sherwin, F. and A. C. Knowles. 2001. *The Human Body: An Intelligent Design, 2nd ed.* Creation Research Society Books. St. Joseph, MO .

Gillen, A. L. 2001. *Body by Design: The Anatomy and Physiology of the Human Body.* Master Books. Green Forest, AK.

### **WORK EXPERIENCE:**

**Professor of Biology**, Liberty University, Teaching Human Anatomy and Physiology courses and designing state-of-the-art facilities for Human Anatomy and Physiology laboratory exercises. August 2004 - Present.

**Biology Faculty**, Pensacola Christian College, Teaching Anatomy & Physiology, Microbiology, Parasitology, Professional Issues in Biology, General Biology (majors) and Survey of Biology (nonmajors), Primarily teaching, advising and working with Premed and Nursing students. on Pre-Med Advisory Committee. August, 1997 - May 2004

**Textbook Author**, Apologia Press. Writing, College-Level, Creation-Based Biology textbook For majors. **Biology: A Search for Design, Order, and Complexity.** Summer, 2002 -2003. (Projected Publication Date

is Late 2005).

**Author**, Published of **Body by Design** (Summer, 2001) and **The Human Body: An Intelligent Design** (summer 1999 (1st edition); 2001, 2nd edition)

**Biology Instructor**, Tomball High School, Taught Advanced Placement Biology II, Laboratory Management, Anatomy & Physiology, Research in Experimental Science, Biotechnology & Environmental Science; Science Curriculum Writer, Served on science curriculum and committee for district; Setup TISD Environmental Science & Living Materials Center; Obtained grant money from Star Enterprises; Provided numerous Biotechnology and Science Inservices for Teachers throughout Tomball ISD. August, 1992 - July, 1997.

**Editor**, Overview Edition *Of Pandas and People*, Foundation for Thought & Ethics, Dallas, TX., Winter 1996-97.

**Adjunct Biology Instructor**, Tomball College, North Harris Montgomery County Community College System, Teaching Microbiology & Pathology (BIO 2420). Evenings, Summer Session.

**Teacher Research Fellow**, National Association of Cell Biology, Research and development off cell biology and virology laboratory activities for biology classes with Dr. Heather Mayor in Department of Microbiology & Immunology, Baylor College of Medicine; Developed computer software, **MacSneeze™** and **Common Cold Kit™**, a commercial Lab; ; Presented workshops for teachers during summer and presented papers at National Association of Biology Teachers national meetings in Denver, Co and Phoenix, AZ. Summers 1992 to 1996.

**Science Teacher**, Houston Independent School District, Taught integrated science, Writing and researching cell biology concepts for secondary school students; Coordinator for school science fair; Implemented the national SS & C program in coordination with Baylor College of Medicine, including a survey of students regarding interest SS & C. Taught in Gifted-talented program 1990 to 1992.

**Teaching Fellow**, University of Houston; Taught Science Methods classes to preservice teachers, developed course curriculum, and assessed elementary & secondary school teachers in science methods. Supervised student teachers in secondary science, conducted science workshops, presented demonstrations, and assessed teachers on science methods. Sept, 1987 to Aug., 1990.

**Science Education Consultant**, Baylor College of Medicine. Provided science inservice to teachers. Taught advanced biology, science activities and science process skills to inservice school teachers for four summers; Instruction and inservice to science teachers one summer; and wrote microbiology curriculum for high school students; Coauthored *Biology IA Course of Study for Houston I.S.D.* Publication; Summers 1986 to 1991.

**Science Laboratory Teacher**, Shlenker School, Coordinated and taught science laboratory for the entire private school; Presented science with unique demonstrations students; instructed pupils on laboratory techniques and science process skills. Taught part-time during doctoral studies, April 1989 to May, 1990.

**Science Teacher**, Worthing H. S., Taught Honors Biology I and II, and Health; **Teacher of the Year** in 1986-87, Coordinated science fair for four years, wrote curriculum related to microbiology in secondary schools; wrote HISD Curricula, Coordinator of Biology Section; Served on H.I.S.D. Biology textbook selection committee in adoption year (1984-85). August, 1983 - May 1987.

**Graduate Teaching Assistant**, Instructed preparatory biology, zoology, biology for non-majors and general biology laboratories, Zoology and Science & Mathematics Department, The Ohio State University, Columbus, Ohio; 1981- 1983.

**Laboratory Preparator and Research Aide**, Prepared laboratory materials, developed new lab exercises and operated equipment for five biology courses, General Biology Section and Entomology Department, The Ohio State University, Columbus, Ohio, September, 1980 to June, 1981.

**Graduate Research Associate**, Conducted research in fisheries biology and wrote publications in aquatic biology, Department of Zoology, The Ohio State University, June, 1978 to December, 1980.

**Laboratory Assistant**, Assisted instruction in general biology laboratories, Biology Department, Washington & Jefferson College, Washington, PA (1975 - 1978).

**Research Participant**, Assisted research in aquatic biology, Savannah River Ecology Laboratory, Aiken, SC. National Science Foundation Grant, Summer, 1977.

**Research Participant**, Assisted research in aquatic biology, Pymatuning Laboratory of Ecology, Linesville, PA. National Science Foundation Grant, Summer, 1976.

#### **Honors Received:**

**Tandy Technology Scholar**, 1994. Tomball H. S. Certificate Presented at 1994 National NSTA Meeting, in Anaheim, CA.

**Teacher Research Fellowship Award**, 1992. National Association for Cell Biology. Department of Microbiology & Immunology. Baylor College of Medicine (\$6,000 Award).

**Academic Scholar**, 1988, University of Houston's College of Education Alumni, Association Graduate School Winner (\$1,000 Award).

**Teacher of the Year**, 1986-87, E. E. Worthing H. S., Houston Independent School District.

#### **PROFESSIONAL ORGANIZATIONS:**

Creation Research Society (CRS)

National Association of Biology Teachers (NABT)

Human Anatomy & Physiology Society (HAPS)

National Science Teachers Association (NSTA)

#### **SELECTED WORK EXPERIENCE:**

**Inventor of Commercial Science Kits and Software**, 1995-2000, Author of Awesome Anatomy: A Medical Imaging Education Kit, Detecting Unknowns in Synthetic Urine Produced by Science Kit & Boreal Laboratories, New York; Common Cold Kit™ MacSleuth™ Hunts HIV, Color MacSneeze™; Produced by Edvotek, West Bethesda, MD.

**Science Fair Coordinator**, 1993 - 95, Tomball High School, Tomball ISD, Tomball, TX.

**Science Fair Coordinator & Judge**, 1989 - 92, Lanier Middle School and HISD Schools, Houston ISD, Houston, TX.

**Presider of Short Courses**, NSTA National Convention (1991). Houston, TX.

**Microbiology Instructor**, 1988 - 89, High School for Health Professions, HISD, Houston, TX.

**Science Fair Judge and Coordinator**, 1984 - 89, Worthing High School and Several Middle Schools, Houston Independent School District, Houston, TX.

#### **PUBLICATIONS:**

- Gillen, A. L. & Hart, T. 1980. Feeding interrelationships between sand and striped shiners. *Ohio Journal of Science* 80 (2): 71 - 76.
- Gillen, A. L., Stein, R. A., & Carline, R. F. 1981. Predation by pellet-reared tiger-muskellunge on minnows and bluegills in experimental systems. *Trans. of Amer. Fish. Soc.* 110 (2): 197 - 209.
- Elmore, B., Gillen, A., McIntosh, C, Medlin, I, & Power, J. 1986. Biology IA Course of Study, Houston, TX: Houston Independent School District Publication.
- Gillen, A. L. & Williams, R. P. 1988. Demonstration: Availability of Nutrients for Bacterial Growth. *Microscope*, Spring, '88, An American Microbiologists Association Publication.
- Gillen, A. L. & Williams, R. P. 1988. Pasteurized milk as an ecological system for bacteria. *The American Biology Teacher* 50 (5): 279 -282.
- Gillen, A. L. & Williams, R. P. 1988. The unseen world: Poster science. *Science Scope*. 12 (3):29.
- Gillen, A. L. ,Williams, R. P.& Duong, P. 1988. Milk spoilage poster. *The American Biology Teacher* 50 (5): 312-314.
- Gillen, A. L. , Brown, W. & Williams, R. P., 1989. Developing a dynamic demonstration. *The American Biology Teacher* 51 ( 5): 306 - 311.
- Gillen, A. L. & Williams, R. P. 1990. A Cultured Poster: Yogurt making. *Science Scope* 13: 30-32.
- Gillen, A. L. & Williams, R. P. 1991. Kitchen microbiology and microbe phobia. *The American Biology Teacher* 53 (1 ): 10 - 11.
- Gillen, A. L. & Williams, R. P. 1993. Dinner date with a microbe. *The American Biology Teacher* 55(5) : 268 - 274.
- Gillen, A. L. 1993. Experimental science, biotechnology, and environmental issues: A Course of Study. Tomball, TX. Tomball Independent School District Publication.
- Gillen, A. L. and Williams, R. P. 1994. Pasteurized milk as an ecological system for bacteria. *In Labs that Work: The Best of the How-to-Dos-Its*. Reston, VA: NABT Publications.
- Gillen, A. L (1995). The role of milk in formulating the germ theory of disease. *The Nucleus*, (Texas Association of Biology) Teachers, Spring Issue, pp. 3 - 5).
- Gillen, A. L. 1995. Listening to the Great Physician. The Family Scrapbook, Published in three parts: Vol. 2 (2), (3), & (4). March - August issues.
- Gillen, A. L. 1995. Distinguishing Clean from Unclean Water. The Family Scrapbook Vol. 2 (4)(August) issue.
- Gillen, A. L. & Mayor, H. 1995. Why do we keep catching the common cold? *The American Biology Teacher*, 57 (336 -342).
- Gillen, A. L. 1995. The Biotech Classroom. *Transcriptions* Fall Issue (1): 5.
- Gillen, A. L. 1995. Illustrating *Cryptosporidium* as a newly recognized threat to clean water. *The American Biology Teacher*, 57 (8): 549 - 551.
- Gillen, A. L. and Chiappetta, E. L. 1996. Using biotechnology laboratories to drive students' appreciation of DNA science. *Journal of College Science Teaching* 25(4): 254 - 259.
- Gillen, A. L. and Bardella, I. 2000. Wisdom in the Inward Parts. *Creation Matters: May-June, 2000, p. 1-8*.
- Gillen, A. L. 2000. The New Fabrica. *Creation Matters: July-August, 2000, p. 1-8*.
- Gillen, A. L. and Bardella, I. 2001. Dr. Darwin Meet the Great Physician *Creation Matters: Fall, 2001, p. 1-8*.
- Gillen, A. L. 2002. Book Review, Biology: Principles & Perspectives, 4th ed. *Creation Research Society Quarterly* Vol. 39 (1): 46.
- Gillen, A. L., Sherwin, F. and J. Wile. 2003. (In Press). Biology: A Search for Design, Order, and Complexity. Apologia Educational Ministries, Inc. Anderson, IN

#### **SELECTED WORKSHOPS AND PAPERS PRESENTED:**

- Gillen, A. L., Stein, R. A., and Carline, R. F. (1980). Predation by pellet-reared tiger-muskellunge on minnows and bluegills in experimental systems. *Midwest Fisheries Conference*. Urbana, IL.
- Gillen, A. L. and Williams, R. P. (1988). Microbiology for elementary teachers.

FIPSE. Spring Workshop. April, 1988.

Gillen, A. L. and Brown, W. E., Jr. (1988). The Unseen World Workshop. CAST Convention (Science Teachers of Texas Meeting), Galveston, TX. (Fall Conference). Gillen, A. L. (1989).

Testing Tactics for Teachers. Evaluator/Presider. CAST Convention (Science Teachers of Texas Meeting), Waco, TX. (Fall Conference). Gillen, A. L. and Williams, R. P. (1990).

Kitchen microbiology and microbe phobia. FIPSE Spring Workshop. April 21, 1990. Gillen, A. L. and Williams, R. P. (1991). Kitchen microbiology activities for elementary teachers. FIPSE Summer Workshops. July 1-3, 1991.

Gillen, A. L. (1991). Emerging Viruses: Those Invading Aliens. Lanier Middle School. November 6. Gillen, A. L. (1992).

Emerging Cold and Flu Viruses. Rice University/HISD Model Science Laboratory at Lanier Middle School. March 25, 1992.

Gillen, A. L. and Williams, R. P. (1992). Emerging Cold and Flu Viruses. FIPSE Workshop Baylor College of Medicine July, 1992.

Gillen, A. L. (1992). Emerging Cold and Flu Viruses. National Association of Biology Teachers, National Meeting, Denver, CO, November 14, 1992.

Gillen, A. L. (1993). Video Microscopes in the School Classroom. Presented Workshops. Tomball ISD. June - Sept., 1993.

Gillen, A. L. (1993 - 94). Bringing Biotechnology into the Classroom: Part I, Principles and Practice of Electrophoresis. Tomball ISD. Oct. 11, 1993; Part II, Bacterial Transformation. and Genetic Engineering. Tomball ISD. Feb. 21, 1994.

Gillen, A. L. & Hamm, D. (1994). Environmental Studies: Workshop for Science Teachers, K - 12. Tomball ISD. June 13, 14, 20 & 21, 1994.

Hamm, D. & Gillen, A. L. (1994). A Walk Through a Piney Woods Ecosystem. Paper presented to Science Teachers, K - 12. CAST Convention (Science Teachers of Texas Meeting), Beaumont, TX. (Fall Conference). October 21 - 22.

Gillen, A. L. & Chiappetta, E. L. (1994). Using biotechnology laboratories to drive students' appreciation of DNA science. Paper presented to National Association of Biology Teachers, National Meeting, St. Louis, MO, November 19, 1994.