

Martina Kroll, MD, PhD

6516 Redstone Ct Arlington, TX 76001
Tel 817 557-5380

martinakroll@att.net

Profile

Medical Doctor and PhD in Physiology. Experience in scientific medicine. Two years of Research in Analytical Chemistry as well as teaching undergraduate courses in General Chemistry and Biochemistry.

Medical and Scientific Experience

Science Department Head Cistercian Preparatory School, 2016-current

Science Teacher Lakehill Preparatory School, Dallas , 2012-2016. Ap Physics and AP Chemistry, electives in A&P and Earth and Space Science

Adjunct professor, Department of Chemistry and Biochemistry, The University of Texas at Arlington 2010-2012. Courses within the Undergraduate curriculum: Introductory Chemical Principles and Biochemistry .

Faculty Researcher, Department of Chemistry and Biochemistry, The University of Texas at Arlington, 2008 to 2010. Research on Iodine nutrition in breast fed and formula fed infants and the influence of perchlorate. Laboratory management, grant writing and project supervision including graduate student supervision. Supervision of a high school summer student funded by the Welch foundation summer 2010.

CLINICAL ASSISTANT, CLINIC FOR RADIOLOGY AND NUCLEAR MEDICINE, AACHEN, 2007
Thyroid diagnostics and full spectrum of scintigraphic diagnostics.

CLINICAL ASSISTANT, CLINIC FOR LABORATORY- AND NUCLEAR MEDICINE, DARMSTADT, GERMANY, 1993 - 1995
Laboratory: Control and evaluation of all laboratory work; basic microbiological diagnostics; statistics for quality control and test range evaluation, programming of knowledge based diagnostic system for endocrinological tests; diagnostic counseling for medical doctors of other clinics; advanced training and teaching of medical technicians. Human resources management.
Nuclear Medicine: Performance and evaluation of thyroid diagnostics with ultrasound and scintigraphy, scintigraphy of skeleton, urinary tract, heart and nervous system.

RESIDENCY, CLINIC FOR LABORATORY- AND NUCLEAR MEDICINE, DARMSTADT, GERMANY, 1992 - 1993
(see above)

RESIDENCY, PRIVATE PRACTICE FOR OBSTETRICS AND GYNECOLOGY, DR.MED. KEHRER, WIESLOCH, GERMANY, 1991 - 1992
Independent Patient care concerning diagnostics and therapy. Performance of prenatal ultrasound examinations. Responsibilities included the provision of small scale medical laboratory and microbiological tests.

Service

Member of the board of the private elementary school "Domsingschule, Aachen" from 2003 through Summer 2007

Member of the board of the catholic preschool, "Heilig Geist", Aachen, 2006/2007.

Music ministry and Family and Children's programs at "Heilig Geist" catholic parish, Aachen, 2000 - 2007.

Music ministry St. Joseph catholic parish, Arlington, TX, 2008/2009

Medical Mission to Patzun, Guatemala, January 2008

Music ministry St. Mark's church, Arlington, TX, 2008 to present

Volunteer and chaperone with the Children's Chorus of the Greater Dallas

Education

Abitur with majors in German Language and Literature and Chemistry with distinction May 1984 at the Nikolaus Kistner Gymnasium, Mosbach, Germany. Language education included English (9 yrs), Latin (7yrs) and French (4 yrs).

MD, Medical school of the University of Heidelberg, Germany, Fall 1984 - Spring 1990. First and second part of the Medical State Exam.

Internship at the Diaconic Hospital in Schwäbisch-Hall, Germany, April 1990 - April 1991. Third part of the Medical State Exam, admission to residency.

Faculty of Philosophy, University of Heidelberg, Germany, spring/summer 1991, courses in German medieval literature, philosophy and musicology.

PhD in Physiology, Max-Planck-Institute for Medical Research, Heidelberg / Faculty of Scientific Medicine, University of Heidelberg, October 1991.

Licensure to independently practice medicine in Germany, June 1993.

Courses in church music at the Catholic School of Church Music in Mainz 1995-1997, including: Piano: literature and choral accompaniment; organ: literature, liturgical, improvisation; voice: solo and choir; choral conducting; music theory and composition; aural training; gregorian chant: theory, performance and conducting; Liturgy.

Recent publications

Kirk AB, Kroll M, Dyke JV, Ohira S, Dias R, Dasgupta PK, Perchlorate, iodine supplements, iodized salt and breast milk iodine content, *Sci.Tot.Environ*, 420, 73-78

Shelor CP; Campbell CA.; Kroll M; et al., Fenton Digestion of Milk for Iodinalysis, *anal. chem.* 83/ 21: 8300-8307

Shelor CP, Kirk AB, Dasgupta PK, Kroll M, Campbell CA, Choudary PK, Breastfed infants metabolize perchlorate, *envir. sci. tech.*, in print

Memberships

Member ACS, AACT, AMT, AAPT,

Honors and Awards

1988 - 1990 Scholarship of the Max-Planck-Society

1984 - 1986 Scholarship from the German National Merit Foundation

May 1984, High school diploma with distinction, Scheffel award for outstanding achievements in German language and literature, valedictorian.