

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Daniel R. Knapp**
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 Nationality USA
 Date of birth 29 July 1943
 Gender Male

Work experience

Dates	
1969-1970	University of California, Berkeley, Berkeley, California, USA Postdoctoral Fellow in Organic Chemistry
1971-1972	University of Cincinnati, Cincinnati, Ohio, USA Assistant Professor of Experimental Medicine
1972-1978	Medical University of South Carolina, Charleston, South Carolina, USA Assistant Professor of Pharmacology
1978-1984	Associate Professor of Pharmacology
1984-	Professor of Pharmacology
1972-2005	Director, Mass Spectrometry Facility
2001-2007	MUSC Director, Clemson University - MUSC Bioengineering Program
2003-2010	Director, MUSC Proteomics Center
2004-	Distinguished University Professor
1988-1989	University of Virginia, Charlottesville, Virginia, USA Visiting Scholar in Chemistry
2001-	Clemson University, Clemson, South Carolina, USA Adjunct Professor of Bioengineering
Present Position	Postretirement, part time, Professor of Pharmacology & Adjunct Professor of Bioengineering
Main activities and responsibilities	Finishing last research grant project on ion source development
Name and address of employer	Medical University of South Carolina
Type of business or sector	health sciences university

Education and training

Dates 1961-1965 University of Evansville, Evansville, Indiana, USA
Chemistry, B.A. (Magna Cum Laude) 1965
1965-1969 Indiana University, Bloomington, Indiana, USA
Organic Chemistry, Ph.D. 1969

Title of qualification awarded See listing above

Principal subjects/occupational skills covered See listing above

Name and type of organisation providing education and training See listing above

Level in national or international classification n/a

Personal skills and competences

Mother tongue(s) English

Other language(s) none

Self-assessment
European level ()*

Language

Language

Understanding		Speaking		Writing	
Listening	Reading	Spoken interaction	Spoken production		

Social skills and competences n/a

Organisational skills and competences n/a

Technical skills and competences Machining, Electronics

Computer skills and competences MATLAB, LabView

Artistic skills and competences none

Other skills and competences n/a

Driving licence South Carolina (USA) Passenger Vehicle

Additional information

Contact information for wife: Rebecca G. Knapp, Mobile Telephone 001-843-509-9088

Short Essay (300 words max)

I am in the process of retiring from a forty year career as a faculty member at the Medical University of South Carolina where I have worked in the area of mass spectrometry and directed the institutional Mass Spectrometry Facility and the MUSC Proteomics Center. As a postretirement career, I am beginning work in my off campus laboratory on development of compact neutron sources based upon inertial electrostatic confinement fusion. In preparation for this work, I have been taking courses in Physics at the College of Charleston (Classical Mechanics, Electromagnetics, Modern Physics, Nuclear Physics, Quantum Mechanics) and in Electrical Engineering at the Citadel (Military College of South Carolina) (Engineering Electromagnetics, Electronics, Electrical Measurements).

I am had some previous exposure to SIMION via a course at the ASMS meeting many years ago, and I have taken an introductory course in finite element modelling (using COMSOL). I wish to obtain a better understanding of charged particle optics to apply to my work on ion beams for compact neutron sources.