

**NAME:** Michael Geokas, M.D., M.Sc., Ph.D. (McGill).

**PLACE OF BIRTH:** Republic of Greece

**FAMILY STATUS:** Married. Wife: Barbara Branson-Geokas, M.D.,  
Rheumatologist, Hospitalist. Harvard College, and Hahneman  
Medical College, F. Clinical Professor of Medicine, UC, Davis  
School of Medicine.

**ADDRESS:** P.O. Box 2247  
Walnut Creek, CA 94595

**PHONE:** (925)946- 0180, FAX: 925\946-1987;  
E-mail: geokas@msn.com;

**CITIZENSHIP:** United States of America

**TRAINING:**

**1951** M.D. Athens University Medical School  
**1951-1957** Intern - Resident - Chief Resident in Internal Medicine,  
Evangelismos Medical Center, Athens  
Specialty Board Certification in Internal Medicine  
Athens, Greece.

**1958-1959** Internship - Regina General Hospital, Saskatchewan, Canada

**1959-1960** Fellow in Gastroenterology, University of California, San  
Francisco (UCSF), San Francisco CA.

**1960-1961** Resident in Gastroenterology, Henry Ford Hospital, Detroit,  
Michigan

**1961-1963** Resident in Internal Medicine, Lahey Clinic, Boston, Mass.

**1963-1964** Research Fellow in Gastroenterology, St. Mary's Hospital,  
Department of Investigative Medicine, McGill University,  
Montreal, Canada

**1964** M.Sc. Degree, McGill University Thesis: "On the Pathophysiology of  
the Post-gastrectomy Dumping Syndrome. Experimental Study"

## CURRICULUM VITAE

MICHAEL C. GEOKAS, M.D., Ph.D

- 1964-1966** Research Fellow in Gastroenterology, Royal Victoria Hospital, Montreal, Canada.
- 1966** Ph.D., Degree McGill University. Subject: "The Elastase Enzyme System in the Pathogenesis of Acute Pancreatitis. Experimental Study in Dogs."

### **EMPLOYMENT HISTORY:**

- 1966-1968** Assistant Professor of Medicine, University of Southern California School of Medicine, Los Angeles, CA.
- 1968-1970** Associate Professor of Medicine, University of Southern California School of Medicine, Los Angeles, CA
- 1970** Chief of Medicine and Director, Enzymology Research Laboratory, Veterans Administration Hospital, Sepulveda, California.
- 1971-1974** Professor and Vice-Chairman, Department of Medicine, UCLA.
- 1974-1982** Professor and Vice-Chairman, Department of Medicine, University of California Davis School of Medicine.
- 1974-1990** Professor of Medicine, University of California Davis School of Medicine.
- 1974-1990**  
\* Chief of Medicine  
\* Director of the Enzymology Research Laboratory,  
\* Director of the Internal Medicine Residency Training Program  
Martinez Veterans Administration Medical Center, Martinez, California.
- 1981-1990** Professor of Biological Chemistry, University of California Davis School of Medicine, Davis, CA .
- 1990-Present** (Em)Professor of Medicine and Biological Chemistry, University of California Davis School of Medicine.
- 1997-Present** Founder and President, Demokritos Society of America  
A Think-Tank [University Professors, Researchers, Students]
- 2000-2004** Science Advisor to Highway Patrol Commissioner State of California.

**SOCIETY MEMBERSHIPS:**

\*\*\*\*\*

1. American Gastroenterological Association (AGA)
2. American Physiological Society
3. Federation of American Societies for Experimental Biology(FASEB)
4. American Federation for Clinical Research
5. American Geriatric Society
6. American Association for the Study of Liver Disease
7. American College of Physicians(Fellow)
8. Association Program Directors Internal Medicine
9. Population Association of America

**LICENSURE: California**

\*\*\*\*\*

**COMMITTEE AND ADMINISTRATIVE SERVICE:**

\*\*\*\*\*

Member, Executive Committee, Department of Medicine, UCLA, 1970-74

Member, Task Force on CME, UCLA, 1970-1974

Member, Research and Education Committee, Sepulveda VAMC, 1970-1974

Member, R and D Committee, Martinez VAMC, 1974-1979 and 1987-1989

Chair Therapeutics and Pharmacy Committee, Martinez VAMC, 1974-1985

Member, Research Committee, American Gastroenterological Association 1977-1979

Chair, Research Committee, UC, Davis Medical School, 1979-1980

Chair, Scientific Review Committee, MVAMC, 1984-1985

Chair, Utilization Review Committee, MVAMC, 1985-1990

**EDUCATIONAL RESPONSIBILITIES:**

-Program Director, Internal Medicine, Sepulveda VAMC, 1970-1974

-Program Director, Internal Medicine, Martinez VAMC, 1974-1990

[The MVAMC Housestaff included 64 Interns, Residents and Fellows]

Teaching of third year Medical Students, during their Clinical Clerkships in Internal Medicine, at the Martinez VA Medical Center, 1975-1990.

Teaching of Biological Chemistry to first year Medical Students at UC, Davis School of Medicine; 1981-1990.

#### COMMUNITY SERVICE

\*\*\*\*\*

Chairman, of a Lecture series for the Public, sponsored by the Martinez VA Medical Center and UC, Davis School of Medicine, Fall 1974.

Director, Premedical Science Program, at the Sepulveda VA Medical Center (1970-1974), and at the Martinez VA Medical Center (1974-1990).

Organized weekly Medical Grand Rounds, and special Lecture series for the Medical Staffs, of four (4) Community Hospitals in the East Bay, in Northern California (1975-1990).

#### SPECIAL CONFERENCES ATTENDED(By invitation only).

\*\*\*\*\*

Gordon Research Conference, June 11-15,1979,"Elastin",Colby/Sawyer College, New London, New Hampshire.

Gordon Research Conference June 23- 27,"Proteolytic Enzymes", Plymouth State College, Plymouth New Hampshire.

Gordon Research Conference, August 15-19,1983 "Elastin" Kimball Union Academy, Meridean, New Hampshire.

Gordon Research Conference, June 18-22, 1984,"Proteolytic Enzymes", Kimball Union Academy, Meridean New Hampshire.

Gordon Research Conference, June 16-20,1986, Proteolytic Enzymes and their Inhibitors", Plymouth State College, Plymouth New Hampshire.

Gordon Research Conference, August 10-14,1987,"Elastin",Kimball Union Academy, Meridean New Hampshire.

Gordon Research Conference, June 13-17,1988,"Proteolytic Enzymes and their Inhibitors", Plymouth State College, Plymouth New Hampshire.

## SPECIAL PROGRAMS DEVELOPED

\*\*\*\*\*

a) The Dean's Interdepartmental Conference, Martinez VA medical Center and UC, Davis School of Medicine from 1981 to 1991.

b) The Special Premedical Program, at the Sepulveda VA Medical Center (1970-1974) and the Martinez VA Medical Center, (1975-1990), affiliated with UCLA and UC, Davis Schools of Medicine respectively.

**This has been a unique Premedical Program designed to assist all students, especially the minority students, as well as women, to enter Medical , Veterinary and Pharmacy Schools and lasted for a total of 20 years. Undergraduate students from UC, Berkeley, UC, Davis, California State Universities and Community Colleges of the San Francisco Bay area participated in the Martinez VA Program. A class of about 150 students, met every Saturday 10:00-11:30 a.m. for a special lecture at the Hospital Auditorium. The students registered as volunteers and worked at various sections of the Hospital. During the last Saturday of each month the Parents of these Students attended the lectures as well.**

**In addition the students received counseling sessions individually and in groups. The lectures series comprised overviews in Clinical Medicine, in Basic Sciences and on general topics designed to shape their leadership qualities, values and attitudes, with emphasis on Public Service. Medical School Faculty, Deans, Hospital Administrators, Elected officials (State and Federal) and others Professionals participated as lecturers.**

**This has been a highly successful program with a strong motivational and inspirational component and enrolled about 3,500 students. Most of the students were successful in entering Medical and other Health Science Schools. The program constituted a cost effective method for:**

- Achieving meaningful affirmative action for minority students and for women.**
- Increasing the applicant pool for the nation's Medical Schools.**
- Augmenting the image of the University and of the Department of Veterans Affairs in the Community.**
- Thus, this program, if properly organized, can be adapted at any University or Community Medical Center, as a leadership and upward mobility course, with assured success.**
- The Premedical Program was extensively recorded into the Congressional Record by the Hon. Robert L. Leggett of Sacramento on April 12, 1976[E 1984] and again by the Hon. Barbara Boxer of San Francisco in 1983[E 2659] and was also described in the: Annals of Internal Medicine, Vol 111, No 5, September 1, 433-436, 1989.**

## **RESEARCH INTERESTS**

\*\*\*\*\*

- 1. Structure and function of pancreatic serine endopeptidases. Their Purification and Characterization.**
- 2. Development of active site specific inhibitors for possible therapeutic use in pancreatic inflammation.**
- 3. Biochemistry of plasma protease inhibitors  $\alpha$ 1-PI and  $\alpha$ 2-M**
- 4. Development of Immunoassays and Chemical assays for diagnosis of pancreatic disease.**
- 5. Physiology of circulating pancreatic proteases in blood.**
- 6. Protein trafficking within the exocrine pancreatic cell.**
- 7. The effect of Ethyl alcohol, Acetaldehyde and of Nicotine on dispersed rat pancreatic acini in vitro.**
- 8. The effect of diet and of nicotine on gene expression of pancreatic enzymes in rat pancreas. Use of cDNA probes.**
- 9. Demography of EU, Middle East and North Africa-Migration Crisis and Traffic Safety.**

## **SERVED AS REVIEWER FOR THE FOLLOWING JOURNALS**

\*\*\*\*\*

- 1. Gastroenterology**
- 2. Gut**
- 3. Digestive Diseases and Sciences**
- 4. Annals of Internal Medicine**
- 5. Journal of Pediatric Gastroenterology and Nutrition**
- 6. American Journal of Physiology**
- 7. Experimental Gerontology**
- 8. Pancreas**
- 9. Journal of Clinical Investigation**
- 10. Life Sciences Journal**

## **THE DEAN'S INTERDEPARTMENTAL CONFERENCES**

\*\*\*\*\*

For nine years(1981-1990) I organized the Dean's Interdepartmental Conferences. These State of the Art Conferences(with a Basic Science Correlation to Disease structure), included topics which represented contemporary advances in Medical Science and were discussed by prominent clinician-scientists from the United States and Europe. The proceedings of these Conferences have been published in the Annals of Internal Medicine and other peer reviewed Journals as "The Davis Conference".There have been twenty such published Conferences.

Only three Institutions in the United States had similar Conferences: the National Institutes of Health(NIH), the UCLA Center for the Health Sciences and UC,Davis School of Medicine, with the Conferences held at the Martinez VA Medical Center.

The proceedings of the following Conferences have been published:

\*\*\*\*\*

1. Geokas MC, Lieber CS,French S, Halsted CH. Ethanol the Liver and the Gastrointestinal Tract. Annals of Internal Medicine 1981; 95:198-211.

2. Geokas MC, Yalow RS, Straus EW,Gold EM.Peptide Radioimmunoassaysin Clinical Medicine. Annals of Internal Medicine 1982;97:389-407.

3. Bradbury EM, Radda GK,Allen PS: Nuclear Magnetic Resonance Techniques in Medicine.Annals of Internal Medicine 1983;98:514-529.

4. Jordan MC, Jordan GW, Stevens GJ,Miller G: Latent Herpesviruses of Humans. Annals of Internal Medicine 1984; 100: 866-880.

5. Geokas MC, Bultaxe HA, Banks PA, Frey CF. Acute Pancreatitis.Annals of Internal Medicine 1985; 103: 86-100.

6. Goldstein E, Hackney JD, Rokaw SN: Photochemical Air Pollution Part I. The Western Journal of Medicine 1985;142: 369-376.

7. Dungworth D, Goldstein E, Ricci PF; Photochemical Air Pollution-Part Ii. The Western Journal of Medicine 1985; 142:523-531.

8. Schuckit MA, Li T-K, Cloninger R, Deitrich RA. Genetics of Alcoholism.Alcoholism: Clinical and Experimental Research 1985; 9: 475-492

9. Kaysen GA, Myers BD, Couser G, Rabkin R, Felts GM.Laboratory Investigation 1986; 479-498.

10. Cross CE, Halliwell B, Borish ET, Pryor WA, Ames BN, Saul RL, McCord JM, Harman D. Oxygen Radicals and Human Disease. Annals of Internal Medicine 1987; 107: 526-545.

11. Sachs G, Tache Y, Debas HT, Jacobson AD, Freston JW. Control of Gastric Secretion. American Journal of Medicine 1987; 83: 307-328.
12. Sambhi MP, Chobanian AV, Julius S, North RH, Borhani NO, Perry HM Jr. Mild Hypertension. American Journal of Medicine 1988; 85: 675-696.
13. North RH, Krolewski AS, Kaysen GA, Meyer TW, Schambelan M. Diabetic Nephropathy: Hemodynamic Basis and Implications for Disease Management. Annals Internal Medicine 1989; 110: 785-813.
14. Geokas MC, Lakatta EG, Makinodan T, Timiras PS. The Aging Process. Annals of Internal Medicine 1990; 113: 455-466.
15. Akhtar M, Garan H, Lehmann MH, Troup PJ. Sudden Cardiac Death: Management of High Risk Patients. Annals of Internal Medicine 1991; 114: 499-512.
16. Parmley WW, Chatterjee K, Francis GS, Firth BG, Kloner RA. Congestive Heart Failure: New Frontiers. The Western Journal of Medicine 1991; 154: 427-441.
17. Steinberg D, Pearson TA, Kuller LH. Alcohol and Atherosclerosis. Annals of Internal Medicine 1991; 114: 967-976.
18. Scanu AM, Lawn RM, Berg K. Lipoprotein(a) and Atherosclerosis. Annals of Internal Medicine 1991; 115: 209-218.
19. Young LS, Proctor RA, Beutler B, McCabe WR, Sheagren GN. Gram-Negative Septicemia. Reviews Infectious Diseases 1991; 13: 666-687.
20. Sambhi MP, Gavras H, Robertson JIS, Smith WM. Long-Range Safety and Protective Benefits of Angiotensin-Converting Enzyme Inhibitors for Hypertension. Do we need more Clinical Trials? Western Journal of Medicine 1993 March; 158: 286-294.

## **EXPERIENCE IN EDUCATION**

\*\*\*\*\*

**-Experience in Undergraduate, Graduate and Postgraduate Medical Education.**

1. Participated in active teaching of High School Seniors and Premedical College Students (Freshmen, Sophomore, Junior and Senior, years) at the Sepulveda VA Medical Center (1971-1974) and at the Martinez VA Medical Center (1975-1990). These Institutions



are Affiliated with U.C.L.A. and UC,Davis Schools of Medicine respectively. These were career development and leadership Programs designed to help students from Colleges and Universities of Northern California to gain admission to Medical, Dental, Veterinary and Public Health Schools and to Schools of allied Health Professions.

The Program include 150 Students per year, was highly successful,it was written up into the Congressional Record twice,(as mentioned earlier) and was reviewed in a Perspective,in the Annals of Internal Medicine(See under Mentoring of Students).This Program was organized as Community Service and myself, my Faculty and a large number of Community Leaders taught the Students from their perspective giving them the formula to success. The parents of the Students participated in the Program as observers the last Saturday of each month.

2. For 24 years(1966-1990), have taught Medical Students, at the First, Second, Third and Fourth years of Medical School Education as follows: Biological Chemistry in the First year(1981-1990); Physical Diagnosis at the Second Year; Clinical Clerkships at the Third year; and in depth Electives at the Fourth Year.

3. For 20 consecutive years I served as Program Director in Internal Medicine and its Subspecialties (1970-1990),and I organized and directed a high quality Housestaff Training program. This is a complicated and difficult task in postgraduate Medical Education which requires strong leadership, well developed human relations skills, in addition to considerable amounts of energy and extensive familiarity with modern literature. This Program included 64 Physicians at various Postgraduate Medical Education levels, for years 1 to 6(Interns,Residents 1,2,3,and Fellows 1 and 2).

4. A unique educational activity, on behalf of Medical Students, Medical Housestaff, as well as Faculty have been, the twenty(20) Dean's Interdepartmental Conferences, which I organized and directed, from 1981 to 1990, and have had their Proceedings published in Peer Reviewed Journals.

## **RESEARCH SUPPORT**

\*\*\*\*\*

- 1. Merit review supported Research on Human Pancreatic Proteases. Principal Investigator. Veterans Administration, 1970-1990.**
- 2. Five years NIH support on a Pancreas Cancer Project.**
- 3. Three years research support by G.D.Searle Co. for Studies on Misoprostol in Gastrointestinal Bleeding, 1986-1989, \$70,000.**

## **THE LATEST SUPPORT**

\*\*\*\*\*

- 1. Studies on Human Pancreatic Proteases, Veterans Administration**

**MRIS 3075-01, 1984-1989.\$383,000**  
**CONTRIBUTIONS RELATED TO AGING**

\*\*\*\*\*

- 1. As an enzymologist interested in Pancreatic serine proteases especially Elastase(Pancreatopeptidase) as well as Elastin, I developed early Interest on the Aging process, and in Geriatric Medicine.**
- 2. Since 1969, had numerous speaking engagements at Medical Grand Rounds and Special Lectures, at LA County Medical Center, the Sepulveda VA and Martinez VA Medical Centers and other Hospitals in California.**
- 3. Since 1984 organized Seminars for Medical students and Graduate students at UC, Davis School of Medicine.**
- 4. Published the first Review on the Aging Gastrointestinal Tract, by invitation: Geokas, MC and Haverback BJ. Amer. J. Surgery 117: 881-892,1969.**
- 5. In 1983, I submitted a proposal to W.B.Saunders Company urging the publication of a new Journal, Geriatric Clinics in North America. My Proposal was adopted and I served as the Guest Editor for the Inaugural Issue on "The Aging Process' with a preface by Dr. Rosalyn S. Yalow , Nobel Laureate(The First American Woman to receive the Nobel Prize in 1977 in Medicine or Physiology). That Journal has been eminently successful in view of the aging societies at least in the Western World.**
- 6. I organized an Interdepartmental Conference, on "The Aging Process" and published the Proceedings as the Moderator: Geokas,MC., Lakatta, E.G., Makinodan,T., and Timiras, P.S. [see The Aging Process. Annals of Internal Medicine 113: 455-466, 1990].**
- 7. As Program Director in internal Medicine (1970-1990) I developed a Section in Geriatrics and a Fellowship Training Program in Geriatric Medicine within the Medical Service of the Martinez VA Medical Center, Martinez, California**

**PUBLICATIONS:**

\*\*\*\*\*

- 1. Tsakjanis E and Geokas MC:The Amebic Abscess of the Liver:Report of a Case and Review of the Literature.Evangelismos Hospital Bulletin,Athens,1957.**
- 2. Cardikas K and Geokas MC. The A.H.G. in Liver Cirrhosis. Archives of Medical Sciences,Athens 1957.**
- 3. Meisher WC,Jr,Hartsock RJ, Geokas MC,Ballard HS,and Frame B.Peptic ulcer as a manifestation of familial polyendocrine disease:Report of tho cases occurring in sisters,with a Preliminary Report of eight other family members. J.A.M.A.179:854-858,1962.**
- 4. Bartels EC, Bell GO, and Geokas MC.Evaluation of the thyroid nodule. Surgical Clinics of North America 42:655-665,1962.**

5. Kroeker EJ and Geokas MC. Unusual diagnostic problems in mitral stenosis. *Medical Clinics of North America* 47:249-294, 1963.
6. Cyr DP, Geokas MC and Bergeron JRM. Intriguing types of hypochromic anemia. *Medical Clinics of North America* 47:333-334, 1963.
7. Phelps MD, Jr. and Geokas MC. Circulatory problems in dysproteinemia. *Medical Clinics of North America* 47:353-367, 1963.
8. Fromer JL and Geokas MC. Cutaneous manifestations in lymphomas. *New York State Journal of Medicine* 63:3222-3228, 1963.
9. Geokas MC. M.Sc. Thesis on "The Pathophysiology of the Postgastrectomy Dumping Syndrome." McGill University, 1964.
10. Geokas MC and Murphy R. Acute eruptive xanthomatosis. *Lahey Clinic Bulletin* 13:206-208, 1964.
11. Beck IT, Kahn DS, Lacerte M, Solymar J, Callegarini U and Geokas MC. "Chronic Duodenitis": A Clinical Pathological entity? *Gut*:376- 383, 1965.
12. Geokas MC, Chun JY, Dinan JJ and Beck IT: Islet-cell Carcinoma (Zollinger-Ellison Syndrome) with fulminant adrenocortical hyperfunction and hypokalemia. *Canadian Medical Association Journal* 93:137-143, 1965.
13. Geokas MC. Ph.D. Thesis on: "The Proelastase-Elastase Enzyme System in the Pathogenesis of Acute Pancreatitis." McGill University, 1966.
14. Cyr DP, Geokas MC and Worsley GH: Mycosis Fungoides: Hematologic findings and terminal course. *Archives of Dermatology (AMA)* 94:558-573, 1966
15. Geokas MC and Beck IT: The role of humoral factors in the dumping syndrome. Experimentally induced dumping before and after Portal Systemic Shunt. *Canadian Medical Association Journal* 93: 1210-1212, 1966.
16. Geokas MC, Solymar J, and Beck IT: Comparison of D(+)Xylose with glucose in the study of the pathophysiology of the postgastrectomy dumping syndrome. *American Journal of Digestive Diseases* 12:30-41, 1967.
17. Geokas MC and McKenna RD: Iron-deficiency anemia after partial gastrectomy. *Canadian Medical Association Journal* 96:411-417, 1967.
18. Geokas Mc, Eisenstein S, McKenna RD and Beck IT: Colorimetric method of measuring

- elastolytic activity in extracts of whole pancreatic tissue. *Journal of Laboratory and Clinical Medicine* 69:530-536,1967.
19. Geokas MC, MacKenna RD and Beck IT: Elastase in normal canine pancreas. *Canadian Journal of Biochemistry* 45:999-1002,1967.
  20. Adham NF, Dyce BJ, Geokas MC and Haverback BJ : Stool Chymotrypsin and Trypsin determinations. *American Journal of Digestive Diseases* 12:1272-1276,1967.
  21. Citron BP, Pincus IJ, Geokas MC and Haverback BJ: Chemical trauma of the esophagus and stomach. *Surgical Clinics of North America* 48: 1303-1311,1968.
  22. Geokas MC, Murphy DR and MacKenna RD: The role of elastase in acute pancreatitis. I. Intrapancreatic elastolytic activity in bile induced acute pancreatitis in dogs. *Archives of Pathology(AMA)*86: 117-126,1968.
  23. Geokas MC. The role of elastase in acute pancreatitis. II. Intrapancreatic elastolytic activity in trypsin-induced acute pancreatitis in dogs. *Archives of Pathology(AMA)*86:129-134,1968.
  24. Geokas MC. The role of elastase in acute pancreatitis. III. The destructive capacity of elastase on pancreatic tissue in vivo and in vitro. *Archives of Pathology(AMA)*86:135-141,1968.
  25. Geokas MC, Wilding P, Rinderknecht H and Haverback BJ: Determination of elastase in mammalian plasma and serum. *Clinical Biochemistry* 1:251-260,1968.
  26. Rinderknecht H, Geokas MC, Silverman P and Haverback BJ: Determination of elastolytic activity in blood in normal subjects and patients with acute pancreatitis. *Clinica Chimica Acta* 19:89-95,1968
  27. Geokas MC, Rinderknecht H. Swanson v and Haverback BJ: The role of elastase in acute hemorrhagic pancreatitis in man. *Laboratory Investigation* 19:235-239,1968.
  28. Rinderknecht H, Geokas Mc, Silverman P, Lillard Y and Haverback BJ: New Methods for the determination of elastase. *Clinica Chimica Acta* 19:327-339,1968.
  29. Geokas MC, Rinderknecht H, Lillard Y and Haverback BJ. Elastase in human pancreas. *Clinical Biochemistry* 1:331-334,1968
  30. Rinderknecht H, Geokas MC, Silverman P and Haverback BJ. A new ultrasensitive method for the determination of proteolytic activity. *Clinica Chimica Acta* 21:197-203,1968.

31. Wilding P, Geokas MC, Haverback BJ and Stanworth DR. Hyperamylasemia due to protein-bound amylase. *American Journal of Medicine* 47:492-496, 1969.
32. Geokas MC and Haverback BJ. The Aging gastrointestinal tract. *American Journal of Surgery* 117:881-892, 1969.
33. Kroeker EJ, and Geokas MC. Prolonged shock resulting from pulmonary embolism: physiologic, diagnostic and therapeutic considerations. *Lahey Clinic Foundation Bulletin* 18:165-174, 1969.
34. Rinderknecht H, Silverman P, Geokas MC and Haverback BJ. Determination of trypsin and chymotrypsin with remazol brilliant blue-hide. *Clinica Chimica Acta* 28:239-246, 1969.
35. Geokas MC, Silverman P and Rinderknecht H. An elastase inhibitor from canine mandibular gland. *Experientia* 26:942-943, 1970.
36. Rinderknecht H, Silverman P, Haverback BJ and Geokas MC. Serum creatine phosphokinase in acute pancreatitis. *Clinical Biochemistry* 3:165-170, 1970.
37. Rinderknecht H, Geokas MC, Carmack C and Haverback BJ. The determination of arylsulfatases in biological fluids. *Clinica Chimica Acta* 29:481-489, 1970.
38. Rinderknecht H, Silverman P and Geokas MC. Investigations on the standardization, assay and action of elastase. *Enzymologia* 40:345-359, 1971.
39. Rinderknecht H, Marbach EP, Carmack CR, Contreas C and Geokas MC. Clinical evaluation of an  $\alpha$ -Amylase assay with insoluble starch labeled with Remazol brilliant Blue (Amylopectin-Azure). *Clinical Biochemistry* 4:162-174, 1971.
40. Rinderknecht H and Geokas MC. Role for  $\alpha$ 2-Macroglobulin in Haemostatic Balance. *Nature* 239:116-117.
41. Geokas MC, Van Lancker JL, Kadell BM and Machleder HI. Acute Pancreatitis. *Annals of Internal Medicine* 76:105-117.
42. Geokas MC: Acute Pancreatitis. *California Medicine* 117:25-39, 1972.
43. Geokas MC, Olsen H, Swanson V and Rinderknecht H. The association of Viral Hepatitis and Acute Pancreatitis. *California Medicine* 117:1-7, 1972.
44. Rinderknecht H and Geokas MC. Anionic and cationic trypsinogens (trypsins) in mammalian pancreas. *Enzyme* 14:116-130, 1972/1973.
45. Geokas MC and Rinderknecht H. Plasma Arylsulfatase and  $\beta$ -Glucuronidase in acute

alcoholism. *Clinica Chimica Acta* 46:27-32, 1973.

46. Rinderknecht H and Geokas MC. On the physiological role of alpha-2 macroglobulin. *Biochimica et Biophysica Acta* 295:233-244, 1973.

47. Walberg CB, Geokas MC and Rinderknecht H. Determination of serum methemalbumin. *Clinica Chimica Acta* 48:229-232, 1973.

48. Rinderknecht H, Engeling ER, Bunnell MJ and Geokas MC. A sensitive assay for human enterokinase and some properties of the enzyme. *Clinica Chimica Acta* 54:145-160, 1974.

49. Geokas MC and Rinderknecht H. Free proteolytic enzymes in pancreatic juice of patients with Acute Pancreatitis. *American Journal of Digestive Diseases* 19:591-598, 1974.

50. Geokas MC, Rinderknecht H, Walberg CB, and Weissman R. Methemalbumin in the diagnosis of acute hemorrhagic pancreatitis. *Annals of Internal Medicine* 81:483-486, 1974.

51. Geokas MC, Wollesen F and Rinderknecht H. Radioimmunoassay for pancreatic carboxypeptidase B in human serum. *Journal Laboratory and Clinical Medicine* 84:574-583, 1974.

52. Rinderknecht H, Carmack C and Geokas MC. Effect of specific antibodies and alpha-2-macroglobulin on enzymatic activity of trypsin and chymotrypsin. *Immunochemistry* 12:1-8, 1975.

53. Rinderknecht H, Fleming RM and Geokas MC. Effect of alpha-2-macroglobulin on some kinetic parameters of trypsin. *Biochimica et Biophysica Acta* 377:158-165, 1975.

54. Geokas MC, Largman C, Brodrick JW, Raeburn S and Rinderknecht H. Human pancreatic carboxypeptidase B. I. Isolation, purification and characterization of fraction II. *Biochimica et Biophysica Acta* 391:396-402, 1975.

55. Geokas MC and Rinderknecht H. Determination of methemalbumin in serum. In: *Hanbuch der Inneren Medizin: Pancreas*. Springer-Verlag (430-435) 1976.

56. Largman C, Brodrick JW and Geokas MC. Purification and characterization of two human pancreatic elastases. *Biochemistry* 15:2491-2500, 1976.

57. Brodrick JW, Geokas MC and Largman C. Human carboxypeptidase B II. Purification of the enzyme from pancreatic tissue and comparison with the enzymes present in pancreatic secretion. *Biochimica et Biophysica Acta* 452:468-481, 1976.

58. Geokas MC, Brodrick JW, Johnson JH and Largman C. Pancreatic elastase in human

serum. Determination by radioimmunoassay. *The Journal of Biological Chemistry* 252:61-67,1977.

59. Tyndall, Largman C, Brodrick JW and Geokas MC. The stoichiometry of inhibition of human pancreatic elastase 2 by human alpha-1 antitrypsin. *Biochemical and Biophysical Research Communications* 74:857-861,1977.

60. Largman C, Johnson JH, Brodrick JW and Geokas MC. Proinsulin conversion to desalanyl insulin by alpha-2-macroglobulin-bound trypsin. *Nature* 269:168-170,1977.

61. Geokas MC, Rinderknecht H, Largman C and Brodrick JW. Studies on the ascites fluid of acute pancreatitis in man. *American Journal of Digestive Diseases* 23:182-188,1978.

62. Brodrick JW, Largman C, Johnson JH and Geokas MC. Human cationic trypsinogen. Purification, characterization and characteristics of autoactivation. *The Journal of Biological Chemistry* 253:2732-2736,1978.

63. Brodrick JW, Largman C, Hsiang MW, Johnson JH and Geokas MC. Structural basis for the specific activation of human cationic trypsinogen by human enteropeptidase. *The Journal of Biological Chemistry* 253:2737-2742,1978.

64. Largman C, Brodrick JW, Geokas MC and Johnson JH. Demonstration of human pancreatic anionic trypsinogen in normal serum by radioimmunoassay. *Biochimica et Biophysica Acta* 543:450-454,1978.

65. Geokas MC, Largman C, Brodrick JW and Johnson JH. Determination of human pancreatic cationic trypsinogen in serum by radioimmunoassay. *American Journal of Physiology* 236:E77-E83,1979.

66. Geokas MC, Largman C, Brodrick JW, Johnson JH, and Fassett M. Immunoreactive forms of human pancreatic chymotrypsin in normal plasma. *The Journal of Biological Chemistry* 254:2775-2781,1979.

67. Largman C, Brodrick JW, Geokas MC, Sicho WM and Johnson JH. Formation of a stable complex between human proelastase 2 and human alpha-1-protease inhibitor. *The Journal of Biological Chemistry* 254:8516-8523,1979.

68. DelMar EG, Brodrick JW, Geokas MC, and Largman C. Effects of oxidation of methionine in a peptide substrate for human elastases: a model for inactivation of alpha-1-protease inhibitor. *Biochemical and Biophysical Research Communications* 88:346-350, 1979.

69. Largman C, Brodrick JW, Geokas MC, Johnson JH, Sicho WM and Fassett M. Demonstration of a pancreatic proelastase 2-alpha-1-protease inhibitor complex in normal human plasma. *American Journal of Physiology* 238:G177-G182,1979.

70. Brodrick JW, Geokas MC, Largman C, Fassett M and Johnson JH. The molecular forms of immunoreactive pancreatic cationic trypsin in sera of patients with acute pancreatitis. *American Journal of Physiology* 237:E474-E480, 1979.
71. DelMar EG, Largman C, Brodrick JW and Geokas MC. A sensitive new substrate for chymotrypsin. *Analytical Biochemistry* 99:316-320, 1979.
72. DelMar EG, Largman C, Fassett M and Geokas MC. Substrate specificity of human pancreatic elastase 2. *Biochemistry* 19:468-472, 1980.
73. Geokas MC, Largman C, Brodrick JW, and Fassett M. Molecular forms of immunoreactive pancreatic elastase in canine pancreatic and peripheral blood. *American Journal of Physiology* 238:G238-G246, 1980.
74. Largman C, Brodrick JW and Geokas MC. Human pancreatic proelastase 2 : sequence of the activation peptide. *Biochimica et Biophysica Acta* 623:208-212, 1980.
75. Largman C, DelMar EC, Brodrick JW, Fassett M and Geokas MC. Inhibition of pancreatic elastase 2 by peptide chloromethyl ketones. *Biochimica et Biophysica Acta* 614:113-120, 1980.
76. Brodrick JW, Glaser CB, Largman C, Geokas MC, Graceffo M, Fassett M and Maeda H. Interaction of chymotrypsinogens with  $\alpha$ 1-Protease Inhibitor. *Biochemistry* 19:4865-4870.
77. Largman C, Ray SB, Brodrick JW and Geokas MC. Clearance and metabolism of circulating pancreatic proelastase in the rat. *American Journal of Physiology* 239:G504-G510, 1980.
78. Brodrick JW, Largman C, Geokas MC, O'Rourke M, and Ray SB. Clearance of circulating anionic and cationic pancreatic trypsinogens in the rat. *American Journal of Physiology* 239:G511- G515, 1980.
79. Largman C, Brodrick JW and Geokas MC. Radioimmunoassay determination of circulating Pancreatic Endopeptidases. *Methods in Enzymology* 74:272-290, 1981.
80. Durie PR, Largman C, Brodrick JW, Johnson JH and Geokas MC. Immunoreactive pancreatic cationic trypsinogen in plasma of patients with cystic fibrosis: a sensitive indicator of exocrine pancreatic dysfunction. *Pediatric Research* 15:1351-1355, 1981.
81. Geokas MC, Largman C, Durie PR, Brodrick JW, Ray SB, O'Rourke M and Wollmer J. Immunoreactive forms of cationic trypsin in plasma and ascites in dogs in experimental



pancreatitis. *American Journal of Pathology* 105:31-39,1981.

82. Brodrick JW, Largman C, Ray SB and Geokas MC. Proteolysis of Parathyroid Hormone in vitro by sera from acute pancreatitis patients. *Proceedings Society Experimental Biology and Medicine* 167:198-211,1981.

83. Geokas MC, Lieber CS, French S and Halsted CH. Ethanol, the liver, and the gastrointestinal tract. *Annals Internal Medicine* 95:198-211,1981.

84. Geokas MC, Reidelberger R, O'Rourke M, Passaro E Jr and Largman C. Plasma pancreatic trypsinogens in chronic renal failure and after nephrectomy. *American Journal of Physiology* 242:G177-G182,1982.

85. Durie PR, Gaskin KJ, Geokas MC, O'Rourke M and Largman C. Plasma immunoreactive anionic pancreatic trypsin in cystic fibrosis. *Journal of Pediatric Gastroenterology and Nutrition* 1:337-343,1982.

86. Geokas Mc, Yalow RS, Strauss EW and Gold EM. Peptide Radioimmunoassays in Clinical Medicine. *Annals Internal Medicine* 97:389-407,1982.

87. Baltaxe HA and Geokas MC. Nuclear Magnetic Resonance. *Annals Internal Medicine*(Editorial)98:540-542,1983.

88. Reidelberger RD, O'Rourke M, Durie PR, Geokas MC and Largman C. Effects of food intake and cholecystikinin on plasma trypsinogen levels in dogs. *American Journal of Physiology* 246:G543-G549,1984.

89. Lewin M, Sankaran H, Wong A, Wendland M and Geokas MC. Effect of ethanol on cholecystikinin-induced enzyme secretion from isolated rat pancreatic acini. *Biochemical Pharmacology* 33:3225- 3229,1984.

90. Geokas Mc. Ethanol and the Pancreas in: Symposium on Ethyl Alcohol and Disease. Geokas MC, Guest Editor, *Medical Clinics of North America* 68:57-75,1984.

91. Majumdar APN, Davis GA, Dubick MA and Geokas MC. Nicotine stimulation of pancreatic protein secretion from isolated rat pancreatic acini. *American Journal of Physiology* 248:G158-G163,1985.

92. Sankaran H, Wong WB, Wong CW, Deveney CW and Geokas MC. Irreversible inhibition by acetaldehyde of cholecystikinin-induced amylase secretion from isolated rat pancreatic acini. *Biochemical Pharmacology* 34:2859-2863,1985.

93. Geokas MC, Vesenka GD, Dubick MA and Majumdar APN. Effect of pseudomonas aeruginosa exotoxin-A on the synthesis and secretion of proteins in isolated pancreatic acini. *Biochemical and Biophysical Research Communications* 127:198-204, 1985.
94. Geokas MC, Contreas CN, Majumdar ATN. The Aging Gastrointestinal Tract, Liver and Pancreas. *Clinics Geriatric Medicine* 1:177-205, 1985.
95. Geokas MC, Baltaxe H, Banks PA, Silva J Jr. and Frey CF. Acute Pancreatitis. *Annals of Internal Medicine* 103:86-100, 1985.
96. Geokas MC. Guest Editor, Symposium on The Aging Process. *Clinics in Geriatric Medicine* Vol 1(1), 1985.
97. Kaysen GA, Majumdar ATN, Dubick MA, Vesenka GD, Mar G and Geokas MC. Biochemical Changes of the pancreas in rats with chronic renal failure. *American Journal of Physiology* 249:F518-F523, 1985.
98. Manjumdar APN, Dubick MA, Vesenka GD, Billy HT, and Geokas MD. Nonparallel discharge of digestive enzymes from isolated pancreatic acini. *Biochemical and Biophysical Research Communications* 128:872-877, 1985.
99. Manjumdar ATN, Haiman MJ, Zylbert BA, Billy HT, Vesenka GD and Geokas MC. Acetaldehyde inhibition of protein synthesis in isolated rat pancreatic acini. *Toxicology and Applied Pharmacology* 83:86-94, 1986.
100. Majumdar APN, Vesenka GD, Dubick MA, YU GSM, DeMorrow JM and Geokas MC. Morphological and biochemical changes of the pancreas in rats treated with acetaldehyde. *American Journal of Physiology* 250:G598-G606, 1986.
101. Majumdar ATN, Vesenka GD, Dubick MA and Geokas MC. Evaluation of the role of Calcium in cytotoxic injury in isolated rat Pancreatic acini. *Biochemical and Biophysical Research Communications* 139:530-537, 1986.
102. Vesenka GD, Majumdar ATN, Dubick MA, Lyerly DM, Wilkins TD, Silva J Jr. and Geokas MC. Stimulation of enzyme secretion from isolated pancreatic acini by clostridium difficile toxin-B. *Toxicology Letters* 34:261-269, 1986.
103. Dubick MA, Contreas CN, Billy HT, Majumdar APN and Geokas MC. Raised serum levels of pancreatic enzymes in cigarette smokers. *Gut* 28:330-335, 1987.
104. Dubick MA, Mayer AD, Majumdar APN, Mar G, McMahon MJ and Geokas MC. Biochemical studies in peritoneal fluid from patients with acute pancreatitis: relationship to etiology. *Digestive Diseases and Sciences* 32:305-3012, 1987.

105. Dubick MA, Mar G, Mayer AD, Majumdar APN, McMahon MJ and Geokas MC. Digestive enzymes and protease inhibitors in plasma from patients with acute pancreatitis. *Pancreas* 2:187-194, 1987.

106. Dubick MA, Majumdar APN, Kaysen GA, Burbige EJ and Geokas MC. Secretagogue-induced enzyme release from the exocrine pancreas of rats following adaptation to a high protein diet. *Journal of Nutrition* 118:305-310, 1988.

107. Lau PP, Palmer RL, Lambert HCL, Song CS, Lutz F and Geokas MC. *Pseudomonas aeruginosa* cytotoxin stimulates secretion of amylase and protease zymogens with a concomitant decrease of mRNA levels in isolated rat pancreatic acini. *Biochemical and Biophysical Research Communications* 152:688-694, 1988.

108. Geokas MC. Symposium on : "Difficult Diagnoses". Geokas MC, Guest Editor, *Medical Clinics of North America* 72(5), 1988.

109. Dubick MA, Hunter GC, Perez-Lizano E, Mar G and Geokas MC. Assessment of the role of pancreatic proteases in human abdominal aortic aneurysms and occlusive disease. *Clinica Chimica Acta* 177:1-10, 1988.

110. Geokas MC, Triadafilopoulos G and Lau P. Trypsin Radioimmunoassay. *Journal Pediatric Gastroenterology and Nutrition* 9:1-3, 1989.

111. Lau P, Handel M, Larvin M, McMahon MS and Geokas MC. Proteolytic degradation of Human Recombinant Proinsulin\Insulin by sera from acute pancreatitis patients and complete inhibition by Eglin-C. *Pancreas* 5:17-26, 1990.

112. Lau P, Dubick MA, Yu GSM, Morrill PR and Geokas MC. Dynamic changes of pancreatic structure and function in rats treated chronically with nicotine. *Toxicology and Applied Pharmacology* 104:457-465, 1990.

#### **MICHAEL C. GEOKAS.M.D.,Ph.D.**

#### **ABSTRACTS:**

**1. Geokas MC and Haverback BJ. The role of elastase in experimental pancreatitis on dogs. *Clinical Research* 15:129, 1967.**

**2. Geokas MC, Rinderknecht H, Swanson V, Olsen H and Haverback BJ: The association of viral hepatitis and acute pancreatitis. *Gastroenterology* 56:1159, 1968.**

**3. Geokas MC, Rinderknecht H, Wilding P, Baker AL, Lillard Y, Berne CJ and Haverback B. *Clinical Research* 26:117, 1968.**

- 4. Geokas MC, Rinderknecht H and Haverback BJ. Release of free proteolytic activity in bile induced canine pancreatitis. Gastroenterology 56:1160,1969.**
- 5. Geokas MC, Craig PH, Craig JR and Haverback BJ. Beta-glucuronidase activity in human pancreas and pancreatic juice. Gastroenterology 56:1159,1969.**
- 6. Geokas MC, Weissman RA, Walberg C and Pincus IJ. Serum Methemalbumin in acute Pancreatitis. Gastroenterology 56:1161,1969.**
- 7. Geokas MC, Rayyis SS, Chin HP, Olsen H and Pincus IJ. Pancreatitis and hyperlipemia. Gastroenterology 56:1159,1969.**
- 8. Geokas MC, Rayyis SS, Rinderknecht H and Haverback BJ. Plasma cortisol and growth hormone levels in acute pancreatitis. Gastroenterology 56:1160,1969.**
- 9. Rinderknecht H, Geokas MC, Silverman P and Haverback BJ. Creatine phosphokinase in acute pancreatitis. Gastroenterology 56:1173,1969.**
- 10. Rinderknecht H, Geokas MC and Haverback BJ. Determination of serum arylsulfatases. Clinical Research 18:187,1970.**
- 11. Geokas MC et al. A protease inhibitor from canine mandibular gland. Clinical Research 18:128,1970.**
- 12. Rayyis SS and Geokas MC. Radioimmunoassay for pepsinogen in human serum. Gastroenterology 57(June),1970.**
- 13. Geokas MC, Olsen H and Rinderknecht H. Studies on the ascites and pleural effusion in acute pancreatitis. Gastroenterology 58:950,1970.**
- 14. Geokas MC, Olsen H, Barbour R and Rinderknecht H. Peritoneal lavage in the treatment of acute hemorrhagic pancreatitis. Gastroenterology 58:950,1970.**
- 15. Geokas MC, Silverman P and Rinderknecht H. A protease inhibitor from canine mandibular gland. Gastroenterology 58:949,1970.**
- 16. Geokas MC, Carmack CR and Rinderknecht H. Elevated b-glucuronidase levels in plasma of alcoholics and patients with acute alcoholic pancreatitis. Gastroenterology 60:665,1971.**
- 17. Rinderknecht H, Marbach CR, Carmack CR and Geokas MC. Clinical evaluation of a new calorimetric amylase assay. Gastroenterology 60:709,1971.**
- 18. Rinderknecht H and Geokas MC. Anionic and cationic trypsinogen in mammalian \*pancreas. Gastroenterology 62:799,1972.**

- 19. Geokas MC and Rinderknecht H. Elevated arylsulfatase levels in plasma of alcoholics. Gastroenterology 62:751,1972.**
- 20. Geokas MC and Rinderknecht H. Inhibition of chymotrypsin and trypsin by their homologous antibodies and by  $\alpha$ 2-macroglobulin. Gastroenterology 62:751,1972.**
- 21. Geokas MC, Raeburn S and Rinderknecht H. Studies on human carboxypeptidase B. Gastroenterology 64:731,1973.**
- 22. Geokas MC, Rayyis SS and Rinderknecht H. Corticotrophin (ACTH) and cortisol in blood of alcoholics and of patients with acute pancreatitis. Gastroenterology 60:(April),1974.**
- 23. Geokas MC and Rinderknecht H. Radioimmunoassay for human pancreatic carboxypeptidase B in serum. Gastroenterology 66:(April),1974.**
- 24. Geokas MC and Rinderknecht H. The methemalbumin test for hemorrhagic pancreatitis has come of age. Gastroenterology 66: (April),1974.**
- 25. Rinderknecht H, Carmack C and Geokas MC. Biochemical activity of trypsin complexed with antibody. Gastroenterology 68:899,1975.**
- 26. Geokas MC, Brodrick JW and Largman C. Human carboxypeptidase B II. Purification of the enzyme from pancreatic tissue and comparison with the two fractions present in pancreatic secretion. Clinical Research 24:284,1976.**
- 27. Geokas MC, Largman C and Brodrick JW. Purification and characterization of two human pancreatic elastases. Gastroenterology 70:887,1976.**
- 28. Largman C, Brodrick JW, Sicho W and Geokas MC. Identification of an activator of human pancreatic proelastase 2 in plasma. Gastroenterology 74:1053,1978.**
- 29. Largman C, Brodrick JW and Geokas MC. Binding of human proelastase 2 to human  $\alpha$ 1-protease inhibitor in vitro and in vivo. Federation Proceedings 38:833,1979.**
- 30. Brodrick JW, Largman C and Geokas MC. Pancreatic proelastase clearance from the rat circulation. Federation Proceedings 38: 1315,1979.**
- 31. Geokas MC, Largman C, Brodrick JW and Fassett M. Demonstration of proelastase in canine pancreatic venous blood. Gastroenterology 76:1137,1979.**
- 32. Durie PR, Largman C, Brodrick JW, Johnson JH and Geokas MC. Immunoreactive pancreatic cationic trypsinogen in plasma in patients with cystic fibrosis. (Presented at the Society for Pediatric Research, San Antonio Texas, May 1980).**

- 33. Brodrick JW, Largman C, Fassett M and Geokas MC. Reaction of chymotrypsinogen with  $\alpha$ 1-protease inhibitor. (Presented at the American Society of Biological Chemists, New Orleans, LA, June 1980).**
- 34. Durie PR, Largman C, Brodrick JW, Johnson Jh, Gaskin FG and Geokas MC. Immunoreactive pancreatic cationic trypsinogen in plasma. A sensitive determinant of pancreatic dysfunction. Gastroenterology 78:1160, 1980 (Presented at the American Gastroenterological Association, Salt Lake City, Utah, May 1980).**
- 35. Geokas MC, Largman C, Durie PR, Brodrick JW, Ray SB and O'Rourke M. Immunoreactive forms of trypsin in experimental pancreatitis in dogs. A proposed treatment modality. Gastroenterology 78:1171, 1980. (Presented at the American Gastroenterological Association, Salt Lake City, Utah, May 1980).**
- 36. Reidelberger R, O'Rourke M, Durie P, Geokas MC, Brodrick JW and Largman C. Food intake and cholecystikinin increase in plasma levels of immunoreactive anionic and cationic trypsinogen in the dog. Gastroenterology 82:1158, 1982. (Presented at the American Gastroenterological Association Annual Meeting, May, 1982, Chicago Ill).**
- 37. Reidelberger R, O'Rourke M, Largman C, Geokas MC and Brodrick JW. Effects of cholecystikinin on levels of immunoreactive cationic trypsinogen in pancreatic juice and plasma of rats. Gastroenterology 82:1159, 1982. (Presented at the American Gastroenterological Association Annual Meeting, May, 1982 Chicago Ill).**
- 38. Reidelberger R, Tsukamoto H, Ray S, Brodrick JW, Largman C and Geokas MC. Trypsin-like activity in plasma and ascitic fluid in experimental pancreatitis in rats. Gastroenterology 82:1159, 1982. (Presented at the American Gastroenterological Association Annual Meeting, May, 1982, Chicago, Ill)**
- 39. Delk AS, Geokas MC and Largman C. Isolation of antibodies specific for human carboxypeptidase B but not for the zymogen procarboxypeptidase B by affinity chromatography. Federation Proceedings 41:339, 1982.**
- 40. Majumdar APN, Davis GA, Dubick MA and Geokas MC. Nicotine stimulation of protein secretion in isolated pancreatic acini. Gastroenterology 86(5 Part 2):1172, 1984.**
- 41. Geokas MC, Dubick MA, Mar G, McMahon MJ, Mayer AD, Contreas CN and Majumdar APN. Circulating enzyme levels in patients with acute pancreatitis. Clinical Research 33(1), 1985.**
- 42. Vesenska GD, Majumdar APN, Geokas MC and Silva J Jr. Effect of toxin A from clostridium difficile on protein synthesis in isolated rat pancreatic acini. Federation Proceedings 44:527, 1985.**

- 43. Dubick MA, Geokas MC, Billy HT, Contreas CN and Majumdar APN. Circulating enzymes in cigarette smokers following secretin administration. Clinical Research 33:33A, 1985.**
- 44. Dubick MA, Majumdar APN, Vesenska GD and Geokas MC. Effect of acetaldehyde on secretagogue-induced enzyme secretion from isolated rat pancreatic acini. Federation Proceedings 44:1484, 1985.**
- 45. Dubick MA, Geokas MC, Mar G, McMahon MJ, Mayer AD and Majumdar ATN. Digestive enzymes and protease inhibitors in ascites fluid from patients with acute pancreatitis. Gastroenterology 88:1370, 1985.**
- 46. Dubick MA, Hunter GC, Perez-Lizano E, Majumdar APN and Geokas MC. Involvement of pancreatic proteases in human abdominal aortic aneurysms. Clinical Research 34:28A, 1986.**
- 47. Dubick MA, Aspry KE, Mar G, Mayer AD, Majumdar ATN, McMahon MJ, and Geokas Mc. Intraperitoneal trasyolol lavage in patients with acute pancreatitis: levels of pancreatic enzymes and protease inhibitors. Gastroenterology 90:1399, 1986.**
- 48. Majumdar ATN, Vesenska GD, Dubick MA and Geokas MC. Evaluation of the mechanism of nicotine-induced protein secretion from isolated pancreatic acini. Gastroenterology 90:1531, 1986.**
- 49. Dubick MA, Majumdar ATN, Kaysen GA and Geokas MC. Responsiveness of pancreatic enzymes to high dietary protein in normal rats. American Journal Clinical Nutrition 43(6):#46, 1986.**
- 50. Majumdar ATN, Dubick MA, Vesenska GD and Geokas MC. Inhibition of pancreatic enzyme secretion in rats fed caffeine. American Journal Clinical Nutrition 43(6), #83, 1986.**

## ACTIVITIES 1990-TO PRESENT.

\*\*\*\*\*

1. Emeritus Professor of Medicine and Biological Chemistry at UC,Davis School of Medicine.

1. Serving as an Independent Consultant , prepared a Comprehensive and high quality Patient's Manual, for the Mercy Hospital in Sacramento.

2. Since 1993 I have done extensive research in Demography of the United States, the European Union, and that of the Islamic Nations of the Middle East (including Turkey) and of North Africa. Due to low fertility rate in Greece and the aging of its population, I have submitted a special comprehensive Proposal to three successive Greek Governments concerning a novel Pronatalist Program in an attempt to improve the low fertility(now at 1.3), to be closer to 2.1, the replacement level.

3. For this purpose, I have traveled to Greece several times for series of Lectures on low fertility and its consequences, to the invitation of the Armed Forces and other organizations.

4. In April 1997 I was invited to Speak at the European Parliament in Brussels on the issue of Illegal Immigrants and Asylum Seekers. That speech was published in the Journal of Political and Military Sociology [Vol. 25(Winter) 353-362, 1997].

6. Of special interest has been my research concerning the organizational structure and other factors responsible for the great success at all levels, of the Jewish American Community in the United States, as well as its educational and other efforts, designed to achieve the continuity of Jewish culture in the face of assimilation through intermarriage.(Jewish Continuity in America-Creative Survival in a free Society, by Abraham J. Karp,The University of Alabama Press, Tuscaloosa and London,1998; Jewish Survival, by Ernest Krausz and Gitta Tulea,Transaction Publishers ,New Brunswick,NJ, 1998; The Vanishing American Jew, by Alen M. Dershowitz,Little Brown and Company, Boston 1997). I do believe that the Greek-American Community urgently needs educational and other programs in this area, especially on behalf of its young and the non-Hellenic origin spouses. Such programs will be vital for the future of our community.

6. I have developed and published with the late Prof. Tasos Papathanasis, a noted Political Economist a modern analytical framework for attracting our Young into the Hellenic Heritage (Language, Culture, and Church), which was published in the Greek-American Press (SeeReference 20). Furthermore, I have co-authored a relevant publication on: The Future of Hellenism in America (Ref.28).

7. Towards the same end, THERE IS A GREAT NEED FOR AN ELITE HELLENIC-AMERICAN UNIVERSITY IN THE UNITED STATES SIMILAR TO BRANDEIS(Ref.35).



8. Have served as a member of a Special Committee of Academic Experts , on a project aimed at upgrading Undergraduate and Postgraduate Medical Education in the Republic of Greece, to the request of the Greek Government. I was responsible for, and authored the recommendations on Postgraduate Medical Education in Internal Medicine, as a prototype for Residency Programs in all other Specialties. This was based on my 20 years experience as Program Director in Internal Medicine, involving two programs affiliated with UCLA and UC,Davis Schools of Medicine, respectively.

9. For many years assisted many patients from the United States and from Greece, who need specialized treatments at various Health care Institutions.(Mayo Clinic, Sloan Kettering Cancer Center, M.D. Anderson, UCSF and others).

10. In 1997, founded a Think-Tank, DEMOKRITOS SOCIETY OF AMERICA, (DSA) which includes University Professors, Professionals, Researchers, Executives and Students, as a non-profit organization[(501(c)(3)] devoted to Cultural and Educational Activities, as well as research and publication of the facts in Eastern Mediterranean, to assure accurate information and to promote the interests of the United States and its allies in that part of the World(with special interest on Cyprus, FYROM, the Aegean and the Migration Crisis). DSA is essentially a Human rights organization with strong opposition to discrimination, racism and xenophobia.

11. Another issue of concern has been that of Traffic Safety here at home and abroad, with several publications in the Press, and a 10-day Research stint and an all-day Conference in Athens, by invitation of the Greek Government, in June 2001. We maintain a permanent Task-Force for Traffic Safety, with members from the California Highway Patrol(CHP), UC,Davis, UC, Berkeley and the Texas Transportation Institute of A and M University, at College Station.

-We provided the Athens 2004 Olympics Committee with a comprehensive Report on Traffic Management and Safety (Ref.58), based on our review and analysis of the cumulative data and experience from the 1984 Olympic Games in Los Angeles and the 1996 Games in Atlanta,GA.

-Subsequently, following two serious collisions in Greece, between Commercial Vehicles out of control,[due to faulty Cargo Immobilization] and two School Buses full of High School Students, with many deaths and injuries in each case, we promptly did extensive research on the issue of Commercial Vehicles and published an essay with strong recommendations to the Greek Government.

13.IN SUMMARY: I maintain strong interest on the higher Education of our young, and their Career development and upward mobility, through systematic Mentoring and guidance. I believe that a great need exists in this area.I do consider this to be a vital issue

for all our young in America(see-Mentoring of Students)

-Additionally, I do consider the development of an Elite Hellenic-American University in the United States("The Brandeis of the Greek-Americans"), as extremely significant for the future of Hellenism in the United States and around the world.

-As related to our Church, I strongly advocate Continuing Postgraduate Education (CME) for the Greek-Orthodox Clergy and also the selective participation of University and College Professors and other prominent Intellectuals in delivering the Sunday Sermons in our Church. This great asset has been neglected for a long time and it is now of paramount significance for attracting the young to the Church and for the intellectual stimulation of the parishioners.

Furthermore, there is a need for significant improvement of the Music in our Churches and Cathedrals, especially of hymns in the Greek language.

-I believe that a genuine revival of the Hellenic-American Community is long overdue. Such revival will be crucial for the continuity of Hellenic Culture and Heritage as well as for the vitality of our Church. At present, there is not enough intellectual activity, only an abundance of Dionysia, of photo-ops and plenty of distinctions bestowed to many of our own people, for routine community service.

-Furthermore, the revival of our Community will be crucial for good citizenship at home and also for the birthplace of Democracy, the Republic of Greece, because despite its EU connection, serious issues remain, such as:

-The twin Demographic Problem(low fertility and brisk in-migration); the relevant serious problem of Traffic Safety, with thousands of victims and untold family misery every year; the incessant frictions with Turkey, such as: the Casus Belli, the infuriating Air-Space violations; the unsolved problem in Cyprus; and the constant harassment of the Patriarchate. On all these issues, the coordinated supportive role of Greek-America can be of enormous value.

-Finally, the problem of FYROM has been neglected for a long time, and its recent recognition as "Republic of Macedonia" by our Government has created consternation (Ref.69), as tangible evidence of faulty Greek diplomacy.

-Here at home, the Hellenic-American Community has been divided, leaderless and politically ineffective. Thus, we intent to work hard in order to develop a "Conference of Presidents", for effective presentation of our rightful causes to the Public, the Administration and the US Congress.

**MICHAEL C. GEOKAS,M.D.,Ph.D.  
PUBLICATIONS-IN DEMOGRAPHY**

\*\*\*\*\*

1. Geokas MC: A Vital Issue for Hellenism: The Demographic Problem of Greece,Today and Into the 21st Century.A Preliminary Proposal for its Successful Solution.This Proposal has been Submitted to three successive Prime Ministers of Greece(Mitsotakis,Papandreou and Simitis) and their Ministers of National Economy and Hygiene-Welfare.
2. Geokas,MC:In Fifty Years there Will Be No More Greeks.Oikonomikos Tachydromos,May 12, 1994 pp.26-31.(in Greek)
3. Geokas, MC: Europe's Demographic Predicament and the Cairo Conference. The Greek American, September 3-9,1994.
4. Geokas,MC:Islam and the Cairo Conference.The Greek American September 17-23,1994.
5. Geokas,MC: It will take 1000 years for the Greek Population to double(In Greek).National Herald October 22-23, 1994.
6. Geokas,MC: The Population Bomb of the Middle East and the Kurdish Nightmare of Turkey. The Greek American,Part I,April 8-14 and Part II,April 15-21,1995.and Oikonomikos Tachydromos,September 7,1995 pp.29-31.
7. Geokas,MC: Strategic Demography and the National Defense of Greece. National Herald May 20-21,1995.
8. Geokas,MC: A Vital Issue for Hellenism,The Demographic Problem of Greece.An Executive Summary. The Hellenic News of America,September 1995.

**GENERAL PUBLICATIONS**

9. Geokas,MC: An American Response to Europe's Trojan Horse. The Greek American, June 11-17,1994.
10. Geokas,MC: The 28th of October 1940, An American Perspective.The Greek American, October 28th,1994.
11. Geokas,MC: Mrs. Ciller Goes to Washington.The Greek American,April 22-28,1995.
12. Geokas,MC: Mr.Actuna's Escapades.The Greek American,May 27-June 2,1995.
13. Geokas,MC:The Clash of Civilizations Paradigm and its Critics:A Final Appraisal. Balkan News(Athens)May 7-13,1995pp.2 and 19.

14. Geokas,MC: The 28th of October seen from an American angle.New Europe(Athens) October 29-November 4,1995.
15. Geokas,M.C.: Hellenic Diaspora Goes to Thessaloniki. Hellenic News of America Vol 9, No 6,February 1996.
16. Geokas,M.C.: DECLARATION: Vigorous Protest Against Support to Turkish Aggression in the Aegean. Hellenic News of America Vol 9, No 7, March 1996.
17. Geokas,M.C.: Strategic Demography and National Defense of Greece. Nea Ellopia,May-June,1996 pp.52-58.(In Greek).
- 18.Geokas,M.C.:Strategic Demography and the Revolution in Warfare. National Herald,Non 30-Dec 1,Sunday,1996(In Greek).
- 19.Geokas,MC: Rebuttal to the Economist for an Anti-Hellenic Article(The Renewal of an old Greek Lobby). Anatasi(in Greek) Nov-Dec,1996
20. Geokas,M.C. The Greek-American Youth and How to Attract them into the Fold of Church,Hellenic Heritage and Culture.Hellenic News of America Vol 10,No4,December 1996.
21. Geokas,M.C.The European Union and the Specter of Uncontrolled In-Migration-Implications for Greece.Hellenic News of America Vol 10,No4,December 1996.
22. Geokas,MC: The Demograsphic Catastrophe of Greece. Anatasi July-October, 1996.(In Greek).
23. Geokas,MC: Europe and the International Migration Crisis. Hellenic News of America Vol 10, No 6, February 1997.
24. Geokas,M.C. The European Union and the Specter of Uncontrolled In-Migration. Journal of Political and Military Sociology 25(2)Winter 1997.
25. Geokas,M.C. The Five Year Program of the Ministry of Hygiene and Welfare will not Solve the Demographic Problem. Hellenic News of America Vol 10,No 10,June 1997;also: The National Herald,NY; Estia(Athens) Oikonomikos Tachydromos(Athens)August 21,1997.
26. Nicholas C. Petris,Cruz Bustamante, Lou Papan and Michael C. Geokas: The Heroic Greece, and Turkey as a Slick Neutral: The saga of 1940 from an American Perspective. Kathimerini, October 28,1997.(In Greek).
27. Geokas,MC: The Specter of Double Genocide in Greece-Pascha 1997. The Hellenic News of America,July 1997.(In Greek).

28. Geokas, M.C., Theoharides TC, Papathanasis AT: The Future of Hellenism in America. The National Herald(N.Y.)November 22-23,1997.,The Hellenic Chronicle January 14, 1998.
29. Geokas, M.C.: A Greek Cultural Center for Northern California. The National Herald, December 13-14,1997.
30. Geokas, M.C. Illegal Immigrants: Consequences for Europe and Greece. Oikonomikos Tachydromos, August 27, 1998.
31. Geokas, MC: Brain Power in the Service of Hellenism- "Demokritos Society of America". The Hellenic Chronicle, Vol> LXXXV No 12, March 25, 1998
32. Geokas, MC: Turkish Propaganda in America and the role of Greek America. The National Herald January 7, 1998.
33. Geokas, M.C. and Papathanasis A.T: The Ocalan Fiasco exposed Greece's Weaknesses. The National Herald March 27-28, 1999.
34. Geokas, M.C. and Papathanasis, A.T.: Keeping our Young into the Greek Fold. The National Herald May 15-16 and May 22-23, 1999.
35. Geokas, M.C. and Papathanasis A.T.: Needed an Elite Greek American University in the United States. The National Herald June 12-13, 1999.
36. Geokas, M.C. University of California Berkeley Establishes Nicholas C. Petris Research Center. The Hellenic Chronicle July 7, 1999.
37. Geokas, M.C. The New Archbishop Demetrios, A Spiritual Leader for all Seasons. The National Herald, August 28-29, 1999.
38. Geokas, M.C. Turkey, Earthquake and Greece. The National Herald September 18/19 and 20, 1999. (in Greek).
39. Geokas, M.C. Seismic Pseudodiplomacy and the Illusions of the Greeks. The National Herald, October 25-26, 1999. (in Greek).
40. Geokas, M.C. and Papathanasis, A.T. The Council of Greeks Abroad and the Omogenia. The National Herald, December 4-5, 1999, Pontiki December 9, 1999, Kosmos December 10, 1999, Sydney Australia. (in Greek).
- 41 Geokas, M.C. and Papathanasis, A.T. The Worrisome Ankara-Jerusalem Axis. The National Herald, December 4-5, 1999. The Washington Report On Middle East Affairs, March-April, 2000.
42. Geokas, M.C. and Papathanasis, A.T. Greek America's Future: Smithereens in The Wind? The National Herald January 22-23, 2000.

43. Geokas,M.C.and Papathanasis,A.T.: The Descendants of Odeseous and the Fiasco Otsalan. The National Herald May 15-16 and May 22-23,1999.
44. Geokas, M.C. and Papathanasis,A.T.: Jewish Triumph and Greek Failure in WW II Reparations. The National Herald, March 4-5,2000.
45. Geokas, M: A Greek-American Princess Departed. The National Herald. March 18-19,2000.
46. Geokas, M.C. : Silence of the New York Times about 25th of March and Biased Reporting on Hellenism. The National Herald April 8-9,2000.p.9. and The Greek American, April 14,2000,p.25-26.
47. Geokas, M.C., and Papanicolaou, S.: Congressman Campbell's Pilgrimage to Greece. The National Herald May 5-6, 2000,pp.1 and 4. The Hellenic Chronicle, May 3,2000, p.11. and Hellenic Journal May 4, 2000,p.10.
48. Geokas,M.C. and Papanicolaou S.: Bloodshed on Asphalt and Why the Things Bite Back. The National Herald May 27-28,2000.
49. Geokas,MC, Papanicolaou S,Kidder C, and W.P. Carlson.: US Task-Force to study Asphalt Bloodshed in Greece. The National Herald September 9-10, 2000. The Hellenic Chronicle August 30,2000 and Kathimerini(In Greek) October 1, 2000.
50. Geokas,M.C.,Papanicolaou,S.,Kidder,C.,and W.P. Carlson:Olympic Games 2004 and Traffic Safety in Greece, The National Herald(NY)October 28-29,2000.
51. Geokas,MC,Papanicolaou S,Chuck Kidder and W.P.Carlson: Causes for Excessive Road Bloodshed in Greece. The National Herald(NY)November 18-19,2000
52. Geokas,M.C.: Greece Will Deliver. Letter to the Editor The Washington Post,December 2,2000,p. A23.
53. Geokas,MC, Papanicolaou S, Chuck Kidder and W.P.(Bill) Carlson:Karmaniola stin Diastavrosi(The Problem of Intersection Crashes).The National Herald, January27-28,2001.
54. Geokas,MC, Papanicolaou S, Chuck Kidder and W.P.(Bill) Carlson: Alcohol, a Menace to Traffic Safety. The National Herald February 17-18,2001.
55. Geokas,MC,Papathanasis AT,Petris N,and Papan L:The meaning of the 25th of March 2001.(In Grewek). Neos Kosmos,March 23, 2001(Melbourne Australia).
56. Geokas,MC,Papanicolaou S, Kidder C, and W.P.(Bill) Carlson: California Prescriptionfor Traffic Safety in Greece. The National Herald(NY) March 24-25,2001

57. Geokas,MC: Antiamericanism of the Greeks,Iron Curtain Between Greece and Omogenia(In Greek).The National Herald(NY) December 8-9,2001.Hellenic News of America Vol 14,No4,December 2001; and (in English) The National Herald Jan.26-27,2002,Hellenic News of America Vol 14,No3,January 2002.

58. Geokas,MC,Papanicolaou S, Kidder C, and W.P.(Bill) Carlson:SPECIAL REVIEW: OLYMPIC GAMES 2004,TRAFFIC MANAGEMENT AND SAFETY. The National Herald(NY)March 23-24 , 2002.

59. Geokas MC: Gordian Knot of the Greeks-The Twin Demographic Problem. The National Herald(In Greek).October 12-13,2002, Politika Themata(Athens) October 11, 2002, Neos Kosmos(Melbourne)October 7, 2002.

60. Geokas,MC . The Behavior of the Greeks After September 11, 2001.(In Greek).The National Herald,November 2-3, 2002.

61. Geokas MC.New Gordian knot for the Greeks:The twin Demographic Problem. (In English)The National Herald(NY)Nov.9-10,2002.

62. Geokas, MC.,Papanicolaou S., and Charles Kidder.Tragedy at Tempì and the need for Strict Control of Commercial Vehicles.The National Herald: June 14-15, 2003(In Greek).

63. Geokas,MC.,Papanicolaou S. and Charles Kidder : Introducing California-Style Highway Safety in Greece. The National Herald (In English),October 18-19,2003

64. Geokas,MC. The Glory and the Shame at the Conference of Cretans from all planet.Evaluation of an Invited Speaker from Diaspora. Mesogios(Crete) September 29, 2003.(In Greek).

65. Geokas,MC. Rebuttal to the extremist views of Istanbul University Rector. Hellenic News of America .(In English). Vol.16,No 8, p.3, April 2004.  
Retract Mr. Rector of Istanbul(In Greek) Politika Themata(Athens) July 16,2004 p.27.

66. Geokas,M.C. Generous Offer of California to Greece=s Highway Patrol. Hellenic News of America Vol 16, No 11, July 2004 p.50., Estia June 8, 2004

67. Geokas,M.C. The Coronet of Western Civilization(In Greek). Translation from the San Francisco Chronicle: By Andrew Bernstein, Senior Writer Ayn Rand Institute,Irvine California. The National Herald 21-22, August, 2004.

68. Geokas, MC., Papanicolaou S., and Charles Kidder. Tragedy at the Horseshoe of death and what should be done about it.(In Greek). Hellenic News of America Vol 17, No2,October 2004 pp. 56-57.

**69. Geokas, MC. and Moraitis, NL. Causes of Fiasco in Greek Diplomacy on F.Y.R.O.M. The National Herald December 4-5, 2004(In Greek).Hellenic News of America December 2004; The National Herald(In English), February 12-13, 2005**

**70. Geokas,M.C. Dr. Summers VS. A Mme Curie from the Bronx. The National Herald. April 9, 2005.**

**71. Geokas, MC. Needed a retraction of false accusations against the Archbishop Christodoulos.Politica Themata(Athens) June 17, 24, July 1,8,14,22,2005(in Greek); BHMA (Montreal) May 13, 2005,pp.23 and 84.**

**72. Geokas,MC: Needed an Ultramodern “Peter the Great” for the Republic of Greece(In Preparation).**