

Russell M. Jaffe, MD, Ph.D., CCN

CURRICULUM VITAE

- Board** DIPLOMATE, National Board Medical Examiners (1973)
- Certifications** DIPLOMATE, American Board of Pathology for Clinical and Chemical Pathology (1973-1975)
- Medical and Surgical Licenses** Maryland, New York, California, New Jersey, District of Columbia and Pennsylvania
BNDD Number: BJ25537390 NRC (Radioisotopes) Users Number – NIH 982 (1973)
- Education**
- Boston University College of Liberal Arts, A.B., Cum Laude (1972)
 - Boston University 6-Year Medical Program, MD., Senior Thesis Honors (1972)
 - Boston University Division of Medical Sciences, Ph.D., Biochemistry (1972)
 - Medical Internship, University Hospital, BUMC, Boston, MA (1972-3)
 - Residency, Clinical Pathology, National Institutes of Health Bethesda, MD (1973-5)
- Appointments**
- National Institutes of Health and Clinical Center, CPD, Bethesda, MD (1973-9)
 - * Resident (1973-5)
 - * Senior Staff Physician, Clinical Pathology Department (1975-9)
 - Fellow, Health Studies Collegium (1979 to present)
 - Light Foundation - Board of Governors (1980-99)
 - Director, Princeton BioCenter (1989-92)
- Supplemental Training**
- Pathobiology Conference – Aspen, CO (Aug 8-17 1969)
 - Advanced Course in Electron Microscopy – Northeastern University, Boston, MA
Professor Keith Porter & Faculty (Jan 8-19 1970)
 - Course in Acrylamide Electrophoresis, Gelman Corp – Boston, MA (Aug 9-14 1970)
 - Syntectics Training Course – Cambridge, MA (Aug 9-17 1971)
 - American Projective Drawing Institute – Emanuel Hammer, Ph.D. (Aug 8-14 1976)
 - Certified Clinical Nutritionist, CCN (1990)
- Military Service**
- Lieutenant Commander, U.S. Public Health Service (1973-7)
 - Commander, U.S. Public Health Service (1977-9) (Resigned)
- Editorships**
- Associate Editor, *The New Physician* (1971-2)
 - Senior Associate Editor, *The New Physician* (1972-3)
- Selected Scientific Abstracts**
- Mechanism of Cross-Linkage Inhibition by Penicillamine, in *Texas reports on Biology and Medicine* (Spring 1971)
 - Aggregation of Platelets by purified Collagens, FASEB, Atlantic City, N.J., *Fed Proc* 31:243 (1972)
 - Ascorbic Acid (Vitamin C) Inhibits Occult Blood Detection in stool, *AFCR*, Atlantic City, *Clinical Research* 22:453 (1973)
 - Aggregation of Platelets by Different Collagens, AHA, Dallas, Texas, *Circ.Sup* 3:289 (1974)

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- Role of Quaternary Structure in Collagen: Platelet Interaction, AFR, Atlantic City, N.J. *Clinical Research* 23:276 (1973)
- Binding of Different Collagens to Human Platelets. Proc 5th Congress International Society for Thrombosis and Haemostasis, *Throm Diath Haemorrh* 34:332 (1976)
- Role of Quaternary Structure in Collagen Binding to and Aggregation of Platelets with Daniel Deykin, *Texas Rep Biol Med* 33:4 (1975) 586.
- *Science and Wellness: The New Medicine*, *Annals American Public Health Assoc.*, 104:4080 (1977)
- *The Effect of Cholesterol Supplementation on the Composition of Phospholipids from Platelets and Erythrocytes of Dogs Fed Diets high in Tallow or Cottonseed Oil*, R.E. Pitas, G.J. Nelson, R.M. Jaffe, and R.W. Mahley, American Oil Chemists Society St. Louis, MO (May 1978)
- Oxidized Cholesterol and Atherosclerosis. *Common Knowledge*. 4:14 (Winter 1980)
- Improved Immune Function Using Specific Nutrient Supplementation and ELISA/ACT "Immunologic Fingerprint" to detect Late Phase Responses *Ex Vivo*. *J Am Col Nutr* 8(5) 424 (1989)
- Biochemical indices of Vitamin status in response to supplement use. Singh A, Jaffe R, Moses F, Dohoda V, Moran R, Kealey B, and Deuster PA. *Am J Clin Nutr* 51:523 (1990)

- Clinical and Research Interest**
- Nutritional Immunology, Evoking the Human Healing Response
 - Treatment protocols for chronic, autoimmune illness

- Special Training Programs with Certification Principal Faculty**
- Oriental Medical Strategy in Western Medical Practice, HSC, N.Y. (1980-5)

Bibliography

01. Franzblau C, Faris B, Salcedo L, Jaffe R and Crombie G. Chemistry and Biosynthesis of cross-links in Elastin. In *Chemistry and Molecular Biology of the Extracellular Matrix* (Balazas, Ed.) Academic Press, Pg 617-641. (1970)
02. Jaffe R Internment of the Internship. *The New Physician*, Pg 701-711. (Nov 1971)
03. Jaffe R Managing the Drug Abuse Crisis. *The New Physician* Pg 218-222. (April 1972)
04. Jaffe R Report of the Second National Student Conference on Medical Education. *SAMA Press* Pg 142 (1972)
05. Jaffe R, Blatti G, Doerr E. Drug information Syllabus I: Cannabis. *SAMA Press* Pg 12 (1972)
06. Jaffe R, Blatti G, Doerr E. Drug information Syllabus II: Hallucinogens. *SAMA Press* Pg 24 (1972)
07. Jaffe R, Blatti G, Doerr E. Drug information Syllabus III: Stimulants. *SAMA Press* Pg 10 (1972)
08. Jaffe R, Blatti G, Doerr E. Drug information Syllabus IV: Narcotics. *SAMA Press* Pg 16 (1972)
09. Jaffe R, Blatti G, Doerr E. Drug information Syllabus V: Sedatives. *SAMA Press* Pg 10 (1972)
10. Jaffe R, Blatti G, Doerr E. Drug information Syllabus VI: Tranquilizers. *SAMA Press* Pg 10 (1973)
11. Jaffe R and Deykin D. Evidence for the Structural Requirement for the Aggregation of Platelets by Collagen. *J Clin Invest* 53:875-883. (1974)
12. Jaffe R and Deykin, D. Proceedings: Bindings of Collagen to Platelets. *Thromb Diath Haemorrh* 34 (1): 330-332. (1975)
13. Jaffe R, Kasten B, MacLowry K, Young D. False Negative Occult Blood Tests Caused by Ascorbic Acid *Ann Int Med* 83:824-826. (1975)
14. Jaffe R. The Science of Wellness Medicine. *Proceedings 2nd International Symposium on Human Functioning*. Biosynergetics Institute. Wichita, KS. (1978)

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15. Jaffe R. Platelet Interaction with Connective Tissue. In *Physiological Reaction of Blood Platelets*, Gordon, Ed Elsevier Pg 261-292. **(1976)**
16. Jaffe R, Zierdt W. An Occult Blood Test Procedure not Subject to Inhibition by Reducing Substances. *J Lab Clin Med*, 93:879-886 **(1972)**
17. Pitas R, Nelson C, Jaffe R, Mahley R. 15,18-tetracosadienoic Acid Content of Sphingolipids from Platelets and Erythrocytes of Animals Fed Diets High in Saturated or Polyunsaturated Fats. *Lipids*, 13:551-556 **(1978)**
18. Spiro, T, Jaffe R, Holland P, Alter H. A Study of Street Heroin Lots for the Presence of the Hepatitis B Surface Antigen. *Drug and Alcohol Dependence* , 6:393-397 **(1978)**
19. Jaffe R, Lawrence L, Schmid A, MacLowry K. Inhibition of Ascorbic Acid(Vitamin C) of Chemical Detection in urine. *Am J Clin Path* 42:468-470 **(1979)**
20. Jaffe R. Health in the 80's: toward Optimum Existence. In Through the 80's: Thinking Globally and Acting Locally, Ed Feather *World Future Society*. Washington DC Pg 356 **(1980)**
21. Jaffe R. Continuing Care Service and Wellness Medicine. *Archives of Thanatology* 8:2. **(1980)**
22. Jaffe R. The House Officer and the Dying Patient, In *Wellness Medicine and the Dying Patient*. Chapter 10, Ed Kutscher, ArnoPress, NY. **(1980)**
23. Jaffe R, Bell I. Ecological Factors in Learning and Behavioral Disorders. *Osteopathic Physician*. 47: 25-33 **(1980)**
24. Jaffe R. Indoor Environmental Quality: report to the Governor. Dept. of Consumer Affairs. Sacramento, CA. Pg 397 **(1981)**
25. Jaffe R, Gerzoff S. Directory of Experts in Indoor Pollution Dept. of Consumer Affairs, Sacramento, CA. Pg 88 **(1981)**
26. Jaffe R. Spohn R, Clean Your Room: Indoor Environmental Quality and Indoor Pollution. Dept. of Consumer Affairs, Sacramento, CA. Pg 8220 **(1981)**
27. Jaffe R. Malathion: Risk, Benefit, Safety, and Biological Chemistry. *Health Studies Collegium*, Vienna, VA. Pg 157 **(1982)**
28. Jaffe R. Heptachlor: Risk, Benefit, Safety, and Biological Chemistry. *Health Studies Collegium*, Vienna, VA. Pg 99 **(1983)**
29. Jaffe R. Immune Reconstitution Protocol: testing Bechamp's Hypothesis. *Health Studies Collegium*, Vienna, VA. Pg 48 **(1983)**
30. Jaffe R. Risk Analysis and Health Assessment. *Health Studies Collegium*, Vienna, VA. Pg 75 **(1984)**
31. Jaffe R, Bellardo T. Directory of Experts in Indoor Pollution, *Health Studies Collegium*, 2nd Edition. Pg 104 **(1985)**
32. Jaffe R. Scenarios of health: The Transformation Hypothesis Re-evaluated. *World Future Society Proceedings*, Bethesda, MD **(1985)**
33. Jaffe R. Scenarios of health: The Transformation Hypothesis Re-evaluated. *Health Studies Collegium*, Vienna, VA. Pg 44 **(1985)**
34. Jaffe R. Delayed Hypersensitivity in Chronic Illness and Health. *Health Studies Collegium*, Vienna, VA. Pg 44 **(1985)**
35. Jaffe R. Delayed Allergy and inflammation: Link to Autoimmunity. *Health Studies Collegium*, Vienna, VA. Pg 33 **(1985)**
36. Jaffe R. "Allergy" in Classical Terms. *Health Action Report*, Vienna, VA; 1:1-4 **(1985)**
37. Jaffe R. Extension of ELISA Testing to Cell Systems: The ELISA/ACT test. *Health Studies Collegium*, Vienna, VA. Pg 22 **(1986)**
38. Jaffe R, Liers H. Handbook of ELISA/ACT Program. *Health Studies Collegium*, Vienna, VA. Pg 50 **(1986)**
39. Jaffe R. Immune Reconstitution: A Programmatic Approach *Health Studies Collegium*, Vienna, VA. Pg 75 **(1987)**
40. Jaffe R, Yanick P (Eds.)*Clinical Chemistry and Nutrition Guidebook: A Physician's Desk Reference*, Lake Ariel, PA, T&H Press **(1988)**
41. Jaffe R, DeRenzo E. Immune Status in the Elderly, In *Clinical Chemistry and Nutrition Guidebook: A Physician's Desk Reference*, (Jaffe R, Yanick P, Eds.) **(1988)**
42. Jaffe R, Eosinophilia-Myalgia Syndrome Caused by Contaminated Tryptophan. *Intl J Biosocial Med Res*; 11(2): 181-184 **(1989)**

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43. Jaffe, R. Immune Defense and Repair Systems: Clinical Approaches to immune Function and Testing and Enhancement. *Townsend Letter for Doctors and Patients* Part 1: #79/80: 88-92; Part 2: #81/82: 38-44; Part 3: #83/84: 59-64 (1989)
44. Biochemical indices of Vitamin status in response to supplement use. Singh A, Jaffe R, Moses F, Dohoda V, Moran R, Kealey B, and Deuster PA. *Am J Clin Nutr* 51:523 (1990)
45. Jaffe R, D-Glucaric Acid Urine: A Non-invasive Test for Chemical Toxicity. *Int Clin Nut Rev*; 10: 265-266 (1990)
46. Jaffe R. Clinical and Laboratory Suggestions for Chronic Fatigue Syndrome. *Int Clin Nut Rev*; 11: 85-91 (1991)
47. Jaffe R. Eosinophilia Myalgia Syndrome (EMS) Secondary to Contaminated Tryptophan. Clinical Experience *J Nut Med*; 2: 195-200 (1991)
48. Jaffe R, Kruesi O, The Biochemical Immunology Window: A Molecular View of Psychiatric Case Management. *J App Nut*; 44:26-43 (1992)
49. Jaffe R. Tryptophan update: Helpful Adjunct and Innocent Bystander. *J Nutr Med* 4:133-139. (1994)
50. Deuster PA and Jaffe R. A Novel Treatment for fibromyalgia improves Clinical Outcomes in a Community Based Study. *J Musculo Pain* 6:133-149. (1998)
51. Jaffe R. Autoimmunity: Clinical Relevance of Biological Response Modifiers in Diagnosis, Treatment and Testing, Part I. *Intl J Integrative Med*, 2 (2):16-22. (2000)
52. Jaffe R. Autoimmunity: Clinical Relevance of Biological response Modifiers in Diagnosis, Treatment, and Cofactor Replacement, Part II. *Intl J Integrative Med* 2 (4): 58-65. (2000)
53. Jaffe, R. Brown S. Acid-Alkaline balance and its Effect on Bone Health. *Intl J Integrative Med* 2 (6): 7-18. (2000)
54. Mehl-Madrona L, Jaffe RM. A Computer Simulation Model to Predict outcome in Diabetes. Invited paper at the IASTED Conference on Computer Modeling. Innsbruck, Austria, February 20, 2002. (2002.)
55. Jaffe R. First Line Comprehensive Care. Part I: Chronic Autoimmune Disease Management by Causes Rather than Symptomatic Consequences. *Seminars in Integrative Medicine* (Jun); 3 (2): 44-60. (2005)
56. Jaffe R. First Line Comprehensive Care. Part II: Anthropogenic Xenobiotics in Functional Medicine. Managing Persisting Bioaccumulating Pollutants: Toxic Minerals, Biocides, Hormone Mimics, Solvents, and Chemical Disruptors. *Seminars in Integrative Medicine* (Sep) 3; (3): 79-92. (2005)
57. Jaffe R. Functional Lab Tests to Evaluate Immune Competencies in Chronic Illness and Chronic Infection: Part 1. *Townsend Letter for Doctors and Patients* Jan: 87-89. (2006)
58. Jaffe R. Functional Lab Tests to Evaluate Immune Competencies in Chronic Illness and Chronic Infection: Part 2. *Townsend Letter for Doctors and Patients* 2006; Feb/Mar: 107-109. (2006)
59. Jaffe R. Managing toxic minerals, biocides, hormone mimics, solvents and chemical disruptors. *Nutrition for Musculoskeletal Health*. Edited by Ingrid Kohlstadt, 2006 chapter 30, Marcel Dekker/CRC Press. (2006)
60. Jaffe R, Nash R, Ash R, Schwartz N, Corish R, Born T, Lazarus H. Healthcare transparency: Opportunity or mirage. *J Management Development* 2006; 25 (10): 981-995. (2006)
61. Jaffe R, Mani J, DeVane J, Mani H. Tolerance loss in diabetics: Association with foreign antigen exposure. *Diabetic Medicine: A Journal of the British Diabetic Association* 2006 Aug;23(8): 924-5. (2006)
62. Jaffe R, Nash R, Ash R, Schwartz N, Corish R, Born T, Lazarus H. An equation of health: Role of transparency and opacity in developing healthcare efficacy measures and metrics. *J Management Development* 2007; 26 (5): 441-458. (2007)
63. Jaffe R. First-Line Comprehensive Care III Update on Immune System Lab Tests for Fibromyalgia-Chronic Fatigue-Metabolic Syndrome: Continuum of Treatment-Resistant Pain and Fatigue: Optimum Clinical Management Improves Outcomes and Reduces Risks and Treatment Complications as Supported by New Data. *Townsend Letter for Doctors and Patients* 2008; Jan: 87-94. (2008)

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64. Jaffe R, Nash R, Ash R, Schwartz N, Corish R, Lazarus H. Role of transparency in managing outcome successes: Causes and 'end use / last cost' as decision guides. *J Management Development* 2008; 27 (10): 1086-1114. (2008)
65. Jaffe R. Functional lab tests to evaluate immune competencies in chronic illness and chronic infection: Part 3. *Townsend Letter for Doctors and Patients* 2009; Jan: 80-90. (2009)
66. Jaffe R. Food Reactivities: Diagnosing and Treating Food Allergies, Intolerances, and Celiac Disease in *Food and Nutrients in Disease Management*. Edited by Ingrid Kohlstadt, CRC Press, Feb 2009:241-255. (2009)
67. Jaffe R and Mani J. Diabetes: Food and Nutrients in Primary Practice in *Food and Nutrients in Disease Management*. Edited by Ingrid Kohlstadt, CRC Press, Feb 2009:241-255. (2009)
68. Jaffe R. Immune Defense and Repair Systems in Biologic Medicine: Clinical Relevance of Biological Response Modifiers in Autoimmunity: Diagnosis, Treatment, Tests, and Interpretation (Part I). *Townsend Letter for Doctors and Patients* 2009; Oct: 82-89. (2009)
69. Jaffe R. Immune Defense and Repair Systems in Biologic Medicine: Clinical Relevance of Biological Response Modifiers in Autoimmunity: Diagnosis, Treatment, Tests, and Interpretation (Part II). *Townsend Letter for Doctors and Patients* 2009; Nov: 90-98. (2009)
70. Jaffe R. Immune Defense and Repair Systems in Biologic Medicine: Clinical Relevance of Biological Response Modifiers in Autoimmunity: Diagnosis, Treatment, Tests, and Interpretation (Part III). *Townsend Letter for Doctors and Patients* 2009; Dec: 76-80. (2009)
71. Jaffe R. LRA by ELISA/ACT Tests: Lymphocyte Response Assays (LRA) is More Sensitive, Specific, Predictive, and Accurate for Determining Delayed Allergy to Foods and Chemicals: Letter to the Editor. *Townsend Letter for Doctors and Patients*, 2010; Aug/Sep: 91-92. (2010)
72. Jaffe R. The Alkaline Way: Integrative Management of Autoimmune Conditions. *Townsend Letter for Doctors and Patients*, 2010; Nov: 44-51 (2010)
73. Jaffe R. D-penicillamine in Toxic Metal Detoxification; presented at the ACAM Conference, April 2010, San Diego. <http://www.youtube.com/watch?v=SY5h6tDF4iw> (2011)
74. Jaffe R. Panel Discussion Question and Answer Session; ACAM Conference, April 2010, San Diego. <http://www.youtube.com/watch?v=D9LkRLE45ik&feature=related> (2011)
75. Jaffe R. D- Penicillamine protocol update: Determining toxic and nutritional mineral status by provocation in the urine, Health Studies Collegium. (2011)
76. Jaffe R. Fibromyalgia: Resolution of pain by reconditioning immune control and musculoskeletal systems. *Townsend Letter for Doctors and Patients*, 2011; Dec (2011)
77. Jaffe, R. Diabetes as an Immune Dysfunction Syndrome in *Bioactive Foods in Chronic Disease States*. Edited by Ronald Ross Watson, Elsevier, Inc: *in press*. (2012)
78. Jaffe R. Phytonutrients in Diabetes Management in *Bioactive Foods in Chronic Disease States*. Edited by Ronald Ross Watson, Elsevier, Inc: *in press*. (2012)
79. Jaffe R. Functional Assessment in Gastrointestinal Health in *Bioactive Foods in Chronic Disease States*. Edited by Ronald Ross Watson, Elsevier, Inc: *in press*. (2012)
80. Jaffe R. The Alkaline Way in Digestive Health in *Bioactive Foods in Chronic Disease States*. Edited by Ronald Ross Watson, Elsevier, Inc: *in press*. (2012)
81. Jaffe R. Cardioprotective Nutrients in *Bioactive Foods in Chronic Disease States*. Edited by Ronald Ross Watson, Elsevier, Inc: *in press*. (2012)
82. Hyman M, Mani J and Jaffe R, Diabetes and Insulin Resistance: Food and Nutrients in Primary Care in *Advancing Medicine with Food and Nutrients, 2nd Ed*. Edited by Ingrid Kohlstadt, CRC Press: *in press* (2012)
83. **Jaffe R Recognizing Gluten-Related Disorders: Comment in Celiac Disease and Non-Celiac Gluten Sensitivity: The Evolving Spectrum by O'Bryan T, Ford R and Kupper C in *Advancing Medicine with Food and Nutrients, 2nd Ed*. Edited by Ingrid Kohlstadt, CRC Press: *in press*. (2012)**
84. Jaffe R. Clinical Evidence in favor of specific polyphenolics in *Polyphenols in Human Health and Disease*. Edited by Ronald Ross Watson, Elsevier, Inc.: *in press*. (2012)
85. Jaffe R. Ascorbate Polyphenolics Synergies in *Polyphenols in Human Health and Disease*. Edited by Ronald Ross Watson, Elsevier, Inc.: *in press*. (2012)

*** Additional references available upon request ***

Selected	- America's Top Physicians	(2005-2011)
Awards & Honors	- International Scientist of the Year 2003, IBC, Oxford, England	(2003)
	- Who's Who in Medicine and Science; in Business Worldwide, and others	(1995)
	- Norman E. Clarke Sr. Lecture, American College for Advancement in Medicine Colorado Springs, CO	(1992)
	- Research Committee, Illuminating Engineers Society of North America	(1981)
	- YPO 200	(1981)
	- Dept. of Consumer Affairs, State of California, Project Manager, Indoor Environment Quality Study, Sacramento, CA	(1980)
	- American Academy of Medical Preventives, National Research Awardee June 17. 1979 Denver, CO	(1979)
	- Thanatologic Aspects of Aging: The Well, The Ill, The Family and the Staff, New York, NY	(1978)
	- 2nd International Symposium on Human Functioning: Distinguished Faculty Wichita, KA	(1978)
	- J.D. Lane Award (U.S.P.H.S.) Junior Investigator, Denver, CO	(1975)
	- Exhibitor and Awardee, American Medical Association Annual Meeting	(1971)
	- SQUIBB Exhibit Award Winner	(1971)
	- UTMB-SAMA Nat'l Research Forum, First Place, Graduate Student Category	(1970)
	- Mead Johnson, "Excellence in Research Award"	(1969)
	- Boston University Assembly, Outstanding Service Award	(1966)
	- Boston University, "Senior of the Year"	(1966)

Invited Addresses, Symposium, and Colloquia:

**Dr. Jaffe has given over 1,000 invited addresses, workshops, symposia and colloquia.
Dr. Jaffe accepts no more than 50 invitations to present worldwide each year.**

Scientific Associations and Membership References

01. American Medical Association (AMA)
(800) 621-8335
Contact: Member Services
02. American College of Allergy, Asthma and Immunology
(847) 427-1200
Contact: Jean Lynch
03. American Association of Clinical Chemists
(800) 892-1400
Contact: Client Services
04. Virginia Medical Association
(804) 353-2721 Ext/ 1043
Contact: Jennifer Hedge, Director of Memberships
05. Southern Medical Association (SMA)
(800) 423-4992
Contact: Vicky Johnson or Vonette Scott
06. American College of Nutrition
(727) 446-6086
Contact: Santa Henriquez

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Scientific Associations and Membership References (Continued)

07. American Society of Internal Medicine / College of American Physicians
(215) 351-2704
Contact: Christy Kroupa
08. Royal Society of Medicine (Overseas Fellow)
London / 011-44 207290-2900
Contact: Jo Parkinson, Director
09. International College of Integrative Medicine
(419) 369-4837
Contact: Mr. & Mrs. Bob Angus
10. New York Academy of Science
(212) 838-0230
Contact: Membership Services
11. Federation of Clinical Immunology Societies
(301) 634-7000
Contact: Gail Pender
12. American Association of Bioanalysts
(314) 910-0231
Contact: Dr. Mark Birenbaum
13. College of American Pathologists
(800) 323-4040 Ext/ 7309
Contact: LoAnne Tran
14. American Academy for the Advancement of Science
(202) 326-6417
Contact: Membership Services
15. Commissioned Officers Association of the PHS (Retired)
(301) 731-9080
Contact: Matt Sigafoose