



## Ralph Green, MD, PhD

APC Senior Fellow Since: 2012

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### EDUCATION

**Graduate/Professional Degree:** MB.BCh University of Witwatersrand (1964); MD/Ph.D., University of Witwatersrand (1977). **Postgraduate Education:** Academic Diploma Course in Clinical Biochemistry, St. Bartholomews Medical College, University of London (1976-79). **Board Certification:** Clinical Pathology (1995), American Board of Pathology. FRCPath, United Kingdom (Hon) (2002).

### SERVICE

**Service as Pathology Chair:** Department of Pathology and Laboratory Medicine University of California, Davis (1996-2009). **Leadership Roles Before, During, and After Service as Chair:** Residency and Fellowship Director, Department of Pathology and Laboratory Medicine University of California, Davis (1996-2005); Interim Chair, Department of Medical Microbiology and Immunology, University of California, Davis (2000-2002); Chair, Department of Laboratory Hematology, Cleveland Clinic (1983-1992); Universities Associated for Research and Education in Pathology Board of Directors (1999-2003); Chair, Council of Chairs University of California, Davis (2000-2003); President, International Society for the Use of Resealed Erythrocytes as Carriers and Bioreactors (1989-1991); Chair and Co-Organizer FASEB Summer Conference on Folate, Vitamin B12 and One-Carbon Metabolism, Nova-Scotia (2018); Contributing Editor, Blood Cells, Molecules and Diseases (2012-2015); Chair, Association of Pathology Chairs Committee on Graduate Education (2002-2006); National Institute on Aging – Chair, Special Emphasis Panel Ad Hoc Study Section, Bethesda, MD (2006); NHANES, Folate and Vitamin B12 Assessment Advisory Group (2004-Present); Institute of Medicine National Academy of Sciences, Expert Panel on Folate and Other B Vitamins (1996-2001); International Society for Laboratory Hematology, Board of Directors, Executive Committee (1994-2003); Centers for Disease Control, Expert Panel Consultant on Guidelines for the Folic Acid Supplementation for the Prevention of Neural Tube Defects (1993); Food and Drug Administration, Expert Panel Hearings on Folate and Birth Defects 1989-1991 (1992); Chair, American Society of Hematology, Nutrition Subcommittee (1980-82); Editorial Board, Vitamins and Hormones (2022); Associate Editor, Archives of Pathology & Laboratory Medicine, Education (2004-Present); Editorial Board, Blood Cells, Molecules and Diseases (2012-2018); Human Pathology, Editorial Board (2004-2009); Hem/Onc Today, Clinical News in Hematology and Oncology, Editorial Board and Associate Section Editor, Red Cells (1999-Present); Preventive Cardiology, Editorial Board (1997-2009); Clinical and Laboratory Hematology, Editorial Board (1997-2005); Methods in Enzymology, Section Editor: Drug and Enzyme Targeting (1985-1987). **Other Academic Positions After Service as Chair:** Residency and Fellowship Director, Department of Pathology and Laboratory Medicine University of California, Davis (2014-2016).

## **AREAS OF PROFESSIONAL INTEREST**

**Research:** Nutritional anemias and other red cell disorders; nutritional pathology (basic, translational, clinical, epidemiological). The overarching theme of my research has been directed toward establishing a better understanding of the roles of micronutrients in the maintenance of normal health and the manner in which insufficiency, excess or perturbed function of these nutrients and their pathways contribute to the pathogenesis and manifestations of disease. **Clinical:** Hematopathology; laboratory hematology; diagnostic clinical pathology; role of the clinical laboratory in SARS-CoV-2 pandemic.

**Educational:** Medical School (1996-2022): Hematology. **Mentoring:** Students, undergraduates, health professionals, faculty. **Current Interests:** Research: Role of folate and other micronutrient disturbances in neurodevelopmental and neurodegenerative disorders; COVID-19 and micronutrient status; Education: International medical student and graduate education; Service: student health laboratory services, international scientific/physician/patient group organizations concerned with micronutrient-related disorders, biomedical technology and pharmaceutical companies consultant.

## **ACHIEVEMENTS**

**Honors and Awards:** Honorary Fellowship of the Royal College of Pathologists of the UK (2002); Elected to the Class of 2021 Fellows of the American Society of Nutrition; Lady Davis Joel's VP Scholarship, Hebrew University, Israel (2022); Berend Houwen Award and Lectureship, International Society for Laboratory Hematology (2017); UC Davis Dean's Award for Excellence in mentoring and clinical service (2014); Special Award APC Program Directors for Extraordinary Service to Pathology Resident Education (2010); Inclusion in the Centenary Publication "A Century of Achievement" recognizing contributions by 138 of the University of the Witwatersrand's top graduate medical scientists and doctors in 100 years (2022).

**Professional Achievements of Which You are Most Proud:** Materially assisting in the first in the Nation legislative approval process of the California Program for the use of embryonic tissue for stem cell transplantation and regenerative medicine Act (2008) which led to the formation of California Institute for Regenerative Medicine (CIRM) - personal recognition copy of the Act signed by Governor Gray Davis; I am collectively most proud of my mentoring of numerous students, trainees and junior faculty and their achievements evidenced by my over 200 original scientific publications.

## **OUTSIDE INTERESTS**

**Hobbies:** Travel; Parenting, Grandparenting and spending time with family; Collecting African art; Cooking; Gardening. **Volunteer Activities:** Soccer coaching; Chess coaching.