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PROFESSIONAL EXPERIENCES

| Current | Professor, Head of ID division, Department of Pediatric and Adolescent Medicine. |
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| | Director of Center for Infectious Diseases Research at the Faculty of Medicine (CIDR) |
| | American University of Beirut, Beirut, Lebanon |
| 2012 | Professor, Department of Biochemistry and Molecular Genetics, AUB |
| 2010 | Director, Center for Infectious Diseases Research, AUB, Lebanon |
| 2010 | Founding Director, Fellowship Program, Pediatric Infectious Diseases, AUB, |
| | Beirut, Lebanon |
| 2009 | Head, Division of Pediatric Infectious Diseases, AUB, Beirut, Lebanon |
| 2009-2010 | Vice-Chairperson, Institutional Review Board, AUB, Lebanon |
| 2005 | Director, Lebanese Inter-hospital Pneumococcal Surveillance Program |
| 2005 | Professor, Department of Pediatrics, AUB, Lebanon |
| 2001 | Visiting Professor, Department of Biochemistry and Molecular Biology, |
| | Medical University of South Carolina, Charleston, South Carolina, USA |
| 1999-2005 | Associate Professor, Department of Pediatrics, AUB, Lebanon |
| 1996-2012 | Associate, Department of Biochemistry, AUB, Lebanon |
| 1996-1999 | Assistant Professor, Department of Pediatrics, AUB, Lebanon |
| 1995-1997 | Assistant Professor, Department of Pediatrics, Duke University Medical |
| | Center, Durham, North Carolina, U.S.A |
| 1993-1995 | Research Associate, Department of Medical Research, Veterans |
| | Administration Medical Center, Durham, North Carolina, U.S.A |
| 1991-1993 | Assistant Medical Director, Subspecialty Pediatric Clinics, Duke University |
| | Medical Center, Durham, North Carolina, U.S.A |
| 1991-1993 | Assistant Medical Director, Subspecialty Pediatric Clinics, Duke University |
| | Medical Center, Durham, North Carolina, U.S.A |
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ACADEMIC DEGREES

- **1989-1993Fellow in Pediatric ID,** Duke University Medical Center, Department of Pediatric
Infectious Diseases, Durham, North Carolina, U.S.A.
- **1986-1989Residency in Pediatric,** Department of Pediatric and Adolescent Medicine, Duke
University Medical Center, Durham, North Carolina, U.S.A.
- **1982-1986 MD**, American University Of Beirut
- **1979-1982 BSc**, Chemistry Medicine, American University Of Beirut

RESEARCH INTERESTS

- Role of sphingolipids in cell signaling, apoptosis, and stress in the context of cancer (p53, Noxa), infection (adenovirus, influenza virus), the immune response (PKC-theta, Fas), and hypoxia (cardiomyocyte adaptation, dihydroceramide desaturase)
- Molecular basis of primary immunodeficiencies
- Molecular epidemiology of infectious agents, e.g. rotavirus, norovirus, Streptococcus pneumoniae, and multi-resistant bacteria
- Measurement of burden of infectious diseases (rotavirus, influenza, Streptococcus pneumoniae)
- Clinical vaccine trials (Influenza, conjugate meningococcal vaccines)