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Education

1969-1975: Faculté de Médecine, Université Louis Pasteur, Strasbourg, France
Diplôme de Docteur en Médecine, March 1976

Doctorat en Médecine (MD) 1976, Contribution à l'étude des syndromes de compression des racines de la queue de cheval d'origine osseuse: le canal lombaire étroit et le canal radiculaire étroit.

F. Interne (residency):

Service d'Explorations fonctionnelles du System Nerveux – EEG and sep (Prof D Kurt): Clinique Neurologique, Hôpital Universitaire de Strasbourg; Septembre 1974 – March 1975

Service de Neuroradiologie (Pr A WACKENHEIM): Clinique Neurologique, Hôpital Universitaire de Strasbourg: March 1975- Septembre 1976

Service de Neurologie Clinique Neurologique, Hôpital de Mulhouse (Dr J FEUERSTEIN), Mulhouse, France : Clinical Neurology, October 1975 – March 1976

Service de Neurochirurgie, (Pr F BUCHHEIT; Clinique Neurologique, Hôpital Universitaire de Strasbourg: April 1976 - September 1976

Hon. Registrar, Academic Department of Psychiatry, Guy's Hospital Medical School (Pr J WATSON) and Brooke General Hospital, London, UK October 1976 – July 1977

Médecin-Attache des Hôpitaux, Clinique Neurologique, Hôpital Universitaire de Strasbourg (Pr F ROHMER) and Laboratoire d'Electromyographie (Pr H ISCH), Strasbourg, France: Clinical Neurology and Electromyography.

-Certificat d'études spéciales en Neurologie (French Board Examinations in Neurology), January 1980.

-Fellow (Hn) Royal College of Physicians, March 2008

-NIHR Good Clinical practice (for clinical research) Course: March 19th, 2012

Professional and Academic Career

1980 - 1981: Fellow Presbyterian Hospital and Assistant Professor: Columbia University (The Neurological Institute) New York, USA: Neurology, Electromyography - Clinical Neurophysiology.

1982: Consultant Neurologist, Nicosia General Hospital - developed first clinical service of Clinical Neurology and Neurophysiology.

1985: Co-founded the Muscular Dystrophy Research Trust of Cyprus (MDRTC) in collaboration with Lady Langley, wife of the then Commander of the British Forces in Cyprus and the patients' association (Muscular Dystrophy Association). In 1987, he founded the MDRTC Neuromuscular Unit at Makarios Hospital, and served as its Medical Director.

1989: Initiated an NIH-funded bi-communal project, to study the epidemiology of multiple sclerosis and other neurological diseases among the Greek and Turkish Cypriot populations of the Island. This was the first joint bi-communal project after the 1974 war and had positive political implications for peace on the island.

1990: Awarded a Centre grant by US AID (through the Cyprus office of UN High Commission for Refugees- UNHCR) of > US\$16 million and established the National Bi- communal Cyprus Institute of Neurology and Genetics (CING). CING became fully operational in 1995. He served as the founding Chairman of the Institute and Consultant Physician, until 1999, when he joined the Glaxo Wellcome R&D, based in London, UK.

1994-2006: Assistant Consulting Professor of Medicine in Neurology, Duke University Medical Center, Durham, North Carolina, USA.

1999-2001: Department Head, Clinical Discovery Genetics, Clinical Genetics, Glaxo Wellcome R&D, based at Greenford, Middlesex- UK.

October 2001- January 2005: Vice President and Head, Department of Medical Genetics, Genetics Research, GlaxoSmithKline R&D. The Department's main remit was the development of disease based family based and case-control collections and population based cohorts as a post genomics innovative hypothesis- generating and validation approach for early drug discovery. The GSK Medical Genetics Collections included >92,000 individuals from 180 medical centres world-wide.

January 2005-December 2006: Vice President and Head, Translational Medicine and Genetics, GlaxoSmithKline R&D. In this role, he led the construction and development of the GSK Clinical Imaging Centre at the Hammersmith Hospital (London, UK) and the transformation of the GSK Clinical Trials (phase I) Unit at Addenbrooke's Hospital (Cambridge, UK) into a Clinical Unit for Experimental Medicine. He oversaw several imaging and other experimental medicine studies.

June 2005- March 2007: Fleming Fellow, Lincoln College, University of Oxford

January 2007–October 2007: Hon. Professorial Research Fellow, Department of Clinical Neurosciences, Division of Neuroscience and Mental Health, London

October 2007–December 2009 – Professor of Clinical Neurology and Head of the Division of Neuroscience and Mental Health, Imperial College, based at Charing Cross Hospital, London

July 2009–2015: Consulting Professor of Medicine in Neurology, Duke University Medical Center, Durham, North Carolina, USA

January 2010–: Professor of Neurology and Chair, Ageing Research, School of Public Health, Imperial College London

October 2014– April 2015: Appointed by UK Department of Health as Clinical Lead and Chair of the “International Clinical and Technology Expert Group” (CTEG) of the Integrated Development Pathway, that was initiated by the UK Government post the G8 Dementia Summit, convened by PM in December 2013.

February 2015– December 2015: Appointed as UK representative - member of the Interim Management Board of the European EIT Health – EU funded public-Private Partnership on healthy living and active ageing.

Visiting Professorships and Invited Lectures

Over 450 invited lectures and platform presentations at international scientific meetings, faculty of international courses in genetics and neurology in Europe, US, Australia and Japan.

Visiting Professorships:

Sackler School of Medicine, Tel Aviv, Israel. 1986 – 1987, Senior Lecturer

The Neurological Institute of New York, USA. 1988, 3 Months Visiting Professor

National Institutes of Health, Bethesda, Maryland, USA. 1988 – 3 Months Visiting Scientist

Neuromuscular Research Institute of Australia. January 1989 – Visiting Professor

Kyoto University and National Center of Neurology and Psychiatry, Tokyo Japan. March 1994 – Visiting Scientist.

University of Western Australia. 1994 and 2009.

Chairman of Consortia and Courses in Genetics/ Neuromuscular Diseases:

European Federation of Neurological Societies, EFNS Meeting October 2000

CMT Symposium, September 2000

European Neuromuscular Centre (ENMC) Consortium on Rare neuromuscular Diseases (1992–1993) and ENMC Consortium on Congenital Myasthenic Syndromes. 1997– 1999

NeuroEPIC European Consortium Working Group 2008

Contribution to Global Dementia Conferences:

OECD Consultative Committee meeting, Oxford- June 2013: invited speaker

Dementia Summit convened by NIH and NYAS, NYC-November 2013: Invited speaker

G8 Dementia Summit, convened by the British Prime Minister, London- December 2013: member of the scientific advisory committee

OECD Committee on Big Data for dementia research, Paris- March 2014: Invited speaker

G7 Global Dementia Summit, London-June 2014: Invited Speaker

Research Project Grants

Muscular Dystrophy Group of Great Britain

Numerical Pattern Recognition in the Automatic EMG Analysis

Principal Investigator, 1986-1988 Total grant: STG £30,000

NIH, Bethesda, Maryland, USA

The Epidemiology of Multiple Sclerosis in Cyprus

Co- principal investigator with Dr Geoffrey Dean, University of Dublin
1987-1988 Total grant: US\$ 240,000

Muscular Dystrophy Association (USA)

Genetic Neuromuscular Diseases in Cyprus (research development programme)

Principal investigator, 1989-1990 Total grant: US\$25,000

US AID

Multiple Sclerosis and Genetic Neurological Diseases in Cyprus

Principal investigator, 1990 Total grant: US\$100,000

US AID

Centre Grant for the creation of the Cyprus Institute of Neurology and Genetics

Principal Investigator Total grant > US\$16,000, 000

AFM

Molecular Genetics of Autosomal Dominant and Autosomal Recessive HMSN Type II 1992

Principal investigator Total grant: 100,000 FF

AFM

Molecular Genetics of Autosomal Dominant and Autosomal Recessive HMSN type II

Principal Investigator Total grant: 200,000 FF

MDA (USA)

Molecular genetics study of Friedreich's ataxia

Principal investigator, 1993-95: Total grant: US\$178,200

AFM

Molecular Genetics of Autosomal Dominant and Autosomal Recessive HMSN- II

Principal investigator, 1995 Total grant: 100,000FF

AFM

Molecular Genetics of HMSN Type II

Principal investigator, 1996-1997

Total grant: 200,000FF

MDA (USA)

Neuromuscular diseases in Eastern Mediterranean countries

Principal investigator, 1996-1997

Total grant: US\$204,400

MDA (USA)

Clinical and genetic studies of Charcot-Marie-Tooth Type II and Recessive forms.

Principal investigator, 1996-1999

Total grant: US\$189,150

Parkinson's UK (PDS) and Multiple Sclerosis Society (MSS),

UK- PI: National Joint Tissue Bio-bank for Parkinson's disease and Multiple Sclerosis

Principal investigator, 2009-2014

Total Grant £ 2.200,000

Michael J Fox Foundation (USA)- PI: Neuro EPIC for Parkinson's Disease: Genetics and Risk Factors

Principal investigator, 2010-2011

Total Grant \$180,000

With an associated donation of custom- made PD-GWAS DNA arrays (for research in PD) by 23andMe.

Abbott Pharmaceuticals-PI: Alzheimer's disease.

Principal investigator, 2010-2012

Total grant \$ 360,000

Takeda & Zinfandel Pharma. The CHARIOT Register: Cognitive Health in Ageing Register for Interventional and Observational Trials, a West London Register for the investigation and Prevention of Alzheimer's disease.

Principal Investigator, 2011- 2013.

Total grant £ 253, 540

Janssen Research & Development. Evaluation of risk factors for Alzheimer's disease

Principal Investigator: 2012-2013:

Total grant £ 79,995.

Janssen Research & Development. Chariot Register recruitment.

Principal Investigator. Mar- Nov 2013

Total grant \$450,000

Astra Zeneca. UK Funnel Study, an exploratory study for the prevention of Alzheimer's disease. A pilot Study. Principal

Investigator. Jul Dec 2013:

Total grant \$150,000

Janssen Research & Development. Chariot Pro: A Prospective Longitudinal Study on the Natural History of prodromal Alzheimer's disease.

Principal Investigator: 2014-2023:

Total grant ~ £17,500,000

Novartis/ Amgen. Generation I & II: RCT on Pre-clinical AD.

2018-2020:

Total grant £2,403,000

Takeda. TOMMORROW Prevention Trial for Alzheimer's disease:

2014-2018.

Total grant £1,935,000

UCB Pharma-PI: Gene Environment analysis in PD:

Principal Investigator 2013-2016.

Total grant £252,602

Astra Zeneca-PI: UK Funnel Study II.

Principal Investigator: 2015-2016.

Total grant £780,000

EIT Health: MULTI MODE- Co-I: Multimodal strategies to promote a healthy brain in aging: Innovative evidence-based tools:

Co-investigator 2015-2016. Total grant 500,000 euros

EIT Health: CARE Educational Activity:

Lead Investigator. 2016-2017. Total grant 600,000 euros

Membership on Scientific Societies/Organizations, Committees - Editorial Boards, Other

-Member (1981-1998), Scientific Committee of the International Courses and Conferences of Single Fibre and Quantitative EMG (Vice President).

-Associate Member (1981), American Association of Electromyography and Electrodiagnosis.

-Member (1981), New York Academy of Sciences.

-Fellow (1987), Royal Society of Medicine.

-Associate Clinical Member (1988), American Academy of Neurology.

-Member (1988), European Neurological Society (ENS).

-Member (1989), Scientific Advisory Committee of CMT Association (USA).

-Member (1990), International Scientific Advisory Committee of the International MS Federation.

-Founding member and Vice President (Sept 1993), Mediterranean Society of Myology (MSM).

-Member (1996 - 1999), Board of Directors of the Muscular Dystrophy Research Foundation of Cyprus.

-Member (1996-1998), Concerted Action on Genetics Services in Europe (CAGSE).

-Co-Editor (1996), Scientific Journal "Acta Myologica".

-Member (1996), European Society of Human Genetics (ESHG).

-Corresponding Member (1997), Société Française de Neurologie

-Corresponding Member (1998), American Neurological Association.

-Honorary expert in Health Innovation and Pharmacogenetics, OECD Biotechnology (2001- 2007)

-Member GSK- Imperial College Steering Committee (2003- 2005) and Co-Chair, GSK- University of Cambridge Steering Committee (2005-6)

-Council member of the Medical Research Council (MRC)- (2005-2008)

- Member, Athenaeum Club (2004)
- Member, International Peripheral Nerve Society (2007)
- Consultant to the North East Centre of Excellence in Life Sciences (CELS) in year 2007
- Fellow (Hon) of the Royal College of Physicians (2008)
- Chairman Medical Imaging Panel, Imaging Sciences Centre- STFC (2008-2009)
- Reviewer, European Research Council (ERC) Advanced Grants (2008-2015)
- Reviewer, Fondazione Carpiolo (2009-2011)
- Member, AFM Strategic and Therapeutic Development Committee (COSET) and the AFM International Scientific Committee (May 2010-2012)
- Non- executive Board member, West London Mental Health Trust (2010-2014)
- Member of the “Expert Panel” on Health Impact Assessment for European Commission (2010-2011). The Panel’s remit was to evaluate the FP6 and FP7 programmes and provide recommendations to the Commission on the next funding H2020 programme.
- Clinical lead and Chair of the International Clinical & Technology Group (CTEG), appointed by the UK Department of Health, for the G7 Global Dementia Integrated Development. September 2014-May 2015.
- Chief UK Investigator, Janssen, Chariot PRO. 2013-2018
- Chief UK Investigator, Takeda TOMMORROW Clinical Trial. 2014-2019
- Chief UK Investigator, Astra Zeneca – Lilly Amaranth Clinical Trial. 2015-2020
- Chief UK Investigator, Novartis Generation I & II Clinical Trials. 2017-2021

Scientific Awards

- European Federation of Neurological Societies (EFNS), 1994
- Gaetano Conte Academy Prize (Italy), 1998
- European Federation of Pharmaceutical Associations (EFPA), 2008

Civic Activities

Elected Municipal Councillor of the City of Nicosia in 1987 and 1991 and served as Chairman of the Environmental Committee of the Municipality and the Municipal Parks (1987-1991). Initiated the creation of the Nicosia Centre of Contemporary Arts and served as first Chairman of its Board (1992 - 1995).

Key Bibliography

1. Fogel LM, Capesius P, Ludwiczack R, Middleton LT, Babin E, Dupuis M. Postoperative angiographic control of chronic subdural haematomas in adults. *Neuroradiology* 1975; 10(3):155-8.
2. Capesius P, Babin E, Soutter JW, Middleton L, Maitrot D, Wackenheim A. Compression of the dural sac by anomalous lumbar articular processes as demonstrated by radiculocaccography. *Journal Belge de Radiologie* 1978; 61(2):173-9.
3. Buchheit F, Thiebaut JB, Stierle JL, Feblot P, Maitrot D, Middleton L. Acoustic neuroma with atypical cochleo-vestibular symptomatology. [French Journal Article] *Revue d Oto-Neuro-Ophtalmologie* 1978; 50(2):119-25.
4. Buchheit F, Maitrot D, Middleton L, Gusmao S. Stenosis of the radicular canal in small lumbar canal syndromes. Ed. Wackenheim A: Springer Verlag-Berlin. 1979. 191-3.
5. Middleton L, Franck H. Les potentiels évoqués visuels dans le diagnostic de sclérose en plaques. *Revue d Oto-Neuro-Ophtalmologie* 1981; 53(1):5-11.
6. Franck H, Middleton L. Visual evoked potentials: a routine test in the diagnosis of multiple sclerosis. [French Journal Article] *Bulletin des Sociétés d Ophtalmologie de France* 1981; 81(10):823-5.
7. Middleton L, Lovelace RE, Zablow L. Use of monopolar electrodes in automatic EMG analysis with ANOPS computer. *Electromyography & Clinical Neurophysiology* 1985; 25(7-8):539-548.
8. Dean G, Chamberlain S, Middleton L. Friedreich's Ataxia in Kathikas-Arodhes, Cyprus. *Lancet* 1988; 1(8585): 587.
9. Holt IJ, Harding AE, Middleton L, Chrysostomou G, Said G, King RH, Thomas PK. Molecular genetic studies of amyloid neuropathy in Europe. *Lancet* 1989; 1(8637):524-6.
10. Waddy HM, Misra VP, King RH, Thomas PK, Middleton L, Ormerod IE. Focal cranial nerve involvement in chronic inflammatory demyelinating polyneuropathy: Clinical and MRI Evidence of Peripheral and Central Lesions. *Journal of Neurology* 1989; 236(7):400-5.
11. Middleton L. Hereditary factors in chronic inflammatory demyelinating polyneuropathy: Charcot-Marie-Tooth Disorders: Pathophysiology, Molecular Genetics and Therapy. *Neurology and Neurobiology*, 1990, Vol 53, Eds Lovelace and Shapiro. Wiley-Liss, New York, 241-261
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17. Middleton LT, Dean G. Multiple Sclerosis in Cyprus. *Journal of the Neurological Sciences* 1991; 103(1) 29-36.
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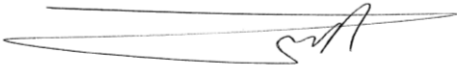
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A handwritten signature in black ink, appearing to be 'LTM', written over a horizontal line.

12th October 2020