

CURRICULUM VITAE: KATE DELLA-VEDOVA

EDUCATION/ DEGREES

(1995- 1999) Lumen Christi College, High School Diploma
(2002- 2004) B.A., Murdoch University, Western Australia
(2007- 2009) M.A., Curtin University, Western Australia
(2015- 2019) BSc, Bond University, Queensland, Australia
(2019) Harvard University EdX, Fundamentals of Neuroscience, Online

PROFESSIONAL POSITIONS

(2016- Present) Founder/ Director, Neuro Strength Australia Pty. Ltd., Queensland, Australia
(2012- 2017) Partner, Olympifit Pty. Ltd., Perth, Western Australia
(2007- 2012) Residential Project Development Manager, DVI Holdings Pty Ltd., Western Australia
(2005- 2009) Sales Manager, Vicki Philipoff Settlements, Perth, Western Australia

CORE COMPETENCIES

- Aetiology and pathogenesis of Parkinson's disease
- Medical & molecular genetics
- Nucleic acid physiology and functional regulation
- Molecular protein 3D modelling and presentation
- Pathophysiology and pharmacology, Movement Disorders
- Specialist PRT protocol design for advanced stage Multiple Sclerosis e
- Non-pharmacological interventions for management and prevention:
 - early onset Parkinson's Disease
 - mild cognitive impairment
 - early onset dementia
 - cerebellar ataxia
 - dystonia, dysarthria
- Basal ganglia anatomy and physiology
- Unified Parkinson's Disease Rating Scale
- Predictive molecular diagnostic testing for late-onset pathologies

CURRENT PROFESSIONAL & BUSINESS MEMBERSHIPS

- International Parkinson's & Movement Disorder Society
- Movement Disorder Society Australia & New Zealand
- Australasian Neuroscience Society
- Australian Weightlifting Federation
- Egoscue University Affiliate, U.S.A

CME MDS ACCREDITATIONS, AMERICAN MEDICAL ASSOCIATION

Parkinson's Disease

- Pathology Fundamentals: Aetiology of Parkinson's Disease-Molecular Pathophysiology
- Aetiology of Parkinson's disease- Pathology
- IPD Motor Symptoms
- IPD Non-Motor Symptoms
- IPD Premotor stage
- IPD Early treatment
- Disease Modifications in Parkinson's Disease: Current Approaches, Challenges and Future Considerations
- Parkinson's Disease: PD and Dementia
- Device Aided Medical Therapy: A Practical Comparison of Apomorphine, Longacting Dopamine Agonists, DBS and LCIG
- Device Aided Medical Therapy: Indications and contraindications for the use of Apomorphine, LCIG, and DBS in Parkinson's disease
- Neuropathological Basis of Nonmotor Manifestations of Parkinson's Disease
- Molecular Imaging to Track Parkinson's Disease and Atypical Parkinsonism's: New Imaging Frontiers
- What Is Quality of Life and How Do We Measure It? Relevance to Parkinson's Disease and Movement Disorders

TREMOR

- Essential, Kinetic, Postural, and Rest Tremor
- Cerebellar, Cortical, Dystonic, Holmes', Orthostatic, and Primary Writing Tremor

RARE DISORDERS

- Treatable Inherited Rare Movement Disorders

FUNDAMENTALS:

- Introduction to Basal Ganglia
- Management of Early Motor Parkinson's disease
- Other Causes of Parkinsonism
- History of Movement Disorders
- Tremors (other than PD)
- Chorea (including Huntington's Disease)

TECHNICAL SKILLS

MOLECULAR GENETICS

- Electrophoresis- Based Techniques
 - PCR/ RFLP
 - PCR (RT-PCR) Fragment analysis
 - Southern blotting
 - Northern blotting
 - Single Strand conformation polymorphism analysis (SSCP, SSCA)
 - DNA Sequencing
- Mass spectrophotometry
- Electrophoresis
- X-ray crystallography

- NMR spectroscopy
- IBM SPSSv25.0
- Sybill X 2017
- Microsoft Office Suite
- ELISA, FACS, Cell Culture, Organ Baths, Western Blotting,
- Statistical analyses: t-tests, ANOVA, Qualitative coding
- LaTeX, the R software suite, Labchart, FACSuite,

KEY PROJECTS AUTHORED

(2017) “Human Sialidase 2 as Covalent Intermediate With 2-3 Difluoro Sialic Acid [4NC5]”

COMMITTEE SERVICE POSITIONS

(2016- 2017) Bond University Health Science & Medicine Student Faculty Representative

(2016- 2018) Corporate Relations Manager, Bond Pride Alliance

COMMUNITY SERVICE & OUTREACH

(2015 – 2018) MS Queensland Exercise Support Officer, NeuroPhysiotherapy

REFERENCES (ON REQUEST)