

Curriculum Vitae

May 2016

Avner Thaler

I.D 033857467

Date of birth: 28.4.1977

Place of birth : Israel

Marital status: married+2 children

Residence: Tel-Aviv

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Academic Degree: MD, PhD

Education

12/2008 – 7/2015 PhD Tel-Aviv University, Department of medicine, fMRI of first degree relatives of Parkinson's disease patients with G2019S mutation in the *LRRK2* gene. Supervised by Prof. Nir Giladi and Prof. Talma Hendler from Tel-Aviv University.

Date awarded: July 2015.

2000 – 2007 MD degree Tel-Aviv University
Title of MD dissertation: Adiponectin levels in children before, during and after cardiopulmonary bypass. Supervisor: Prof. Gidi Paret.

Date awarded: June 2008.

MD license number: 84908

1999 – 2003 Bachelor of Arts, History, Tel-Aviv University

Occupation

3/2016-present Movement Disorders Fellow, Tel-Aviv Sourasky Medical Center.

8/2011-2/2016 Resident physician Neurology department, Tel-Aviv Sourasky Medical center, Israel

Neurological license number: 33194

7/2008 – 8/2011 On Call physician MRI unit, Chaim Sheba Medical center, Tel-Hashomer, Israel

9/2008 – 1/2010 On Call physician Neurology ward, Tel-Aviv Souraski Medical center, Israel

7/2007 – 6/2008 Medical internship Edith Wolfson Medical Center, Holon, Israel

Research Experience

06/2006-07/2008 Pediatric Intensive Care Department, Chaim Sheba Medical Center, Tel-Hashomer, affiliated to The Sackler School of Medicine, Tel-Aviv University, Tel-Aviv, Israel. Investigating the correlation between adiponectin and the postoperative outcome of pediatric population undergoing open heart surgery with cardiopulmonary bypass.

Certification

2016	Good Clinical Practice
2008	Israeli Medical Certificate License
2006	Military Trauma Life Support Course

Military Service

1996 – 1999	Medical instructor Israeli air force
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Awards

5/2014	Sieratzki prize for advances in neuroscience – best publication in movement disorders.
11/2013	Best research publication 2013, Israeli Neurologic Society Conference.
1/2012	MDS Travel grant for the 16 th MDS conference
12/2010	Outstanding Poster Prize, Israeli Neurologic Society Conference for "Differential cognitive neural activation in asymptomatic carriers of the Parkinson disease related <i>LRRK2</i> G2019S mutation"
1/2010	MDS Travel grant for the 14 th MDS conference

2/2009 Outstanding Poster Prize, Israeli Society of Clinical Pediatrics Conference for "Adiponectin and the Postoperative Inflammatory Response"

Active participation in conferences

12/2015 Israeli Neurological Association - Intact working memory in non-manifesting LRRK2 carriers – an fMRI study (poster).

4/2015 American Academy of Neurology - Ventral Striatum Involvement In Non-Manifesting Carriers Of The G2019S Mutation In The *LRRK2* Gene (poster).

12/2014 Israeli Neurological Association - Ventral Striatum Involvement In Non-Manifesting Carriers of the G2019S Mutation In The *LRRK2* Gene (aural presentation).

12/2013 Israeli Neurological Association – Behavioral characteristics of asymptomatic G2019S mutation carriers in the *LRRK2* gene (poster).

12/2012 Israeli Neurological Association – Cerebral pathological and compensatory mechanisms in the premotor phase of LRRK2 – Parkinsonism (aural presentation).

6/2012 Movement Disorders - Gray and white matter differences demonstrated by VBM and DTI among healthy first degree relatives of Parkinson's disease patients' carriers of the G2019S mutation in the *LRRK2* gene (poster).

12/2011 Israeli Neurological Association - Subtle differences in cognitive functions of healthy G2019S LRRK2 mutation carriers (aural presentation).

6/2010 Movement Disorders - Differential cognitive neural activation in asymptomatic carriers of the Parkinson Disease related *LRRK2* G2019S mutation (poster).

Scientific Publications

Original Publications

- 1 Avni T, Paret G, **Thaler A**, Mishali D, Yishay S, Tal G, Dalal I. Delta chemokine (fractalkine) – a novel mediator of pulmonary arterial hypertension in children undergoing cardiac surgery. Cytokine. 2010 Dec 52 (3): 143-145. **IF 2.73**, cited 4, Rank in category: Immunology and Microbiology: 159/520 (**Q2**). Citations: 4
- 2 **Thaler A**, Posen J, Giladi N, Manor Y, Mayanz C, Mirelman A, Gurevich T. Appreciation of humor is decreased among patients with Parkinson's disease. Parkinsonism Relat Disord. 2012 Feb;18(2):144-8. **IF 3.88**, Rank in category: Clinical Neurology:72/167 (**Q2**). Citations: 4
- 3 Giladi N, Mirelman A, **Thaler A**, Bar-Shira A, Gurevich T, Orr-Urtreger A. Fighting the risk of developing Parkinson's disease; clinical counseling for first degree relatives of patients with Parkinson's disease. J Neurol Sci 2011; 15;310(1-2):17-20. **IF=2.53** Rank in category: Clinical Neurology:51/167 (**Q2**) Citations: 8.
- 4 Sadeh B, Pitcher D, Brandman T, Eisen A, **Thaler A**, Yovel G. Stimulation of category-selective brain areas modulates ERP to their preferred categories. Curr Biol. 2011 Nov 22;21(22):1894-9. **IF 10.13**, Rank in category: Agriculture and Biological Science: 86/1878 (**Q1**). Citations:29.
- 5 **Thaler A**, Mirelman A, Gurevich T, Simon E, Orr-Urtreger A, Marder K, Bressman S, Giladi N. LRRK2 Ashkenazi Jewish Consortium. Lower cognitive performance in healthy G2019S LRRK2 mutation carriers. Neurology. 2012; 4;79(10):1027-32. **IF=8.31**, Rank in category: Clinical Neurology:7/167 (**Q1**). Citations: 22.
- 6 Van Nuenen BF, Helmich RC, Ferraye M, **Thaler A**, Hendler T, Orr-Urtreger A, Mirelman A, Bressman S, Marder KS, Giladi N, van de Warrenburg BP, Bloem BR, Toni I. Cerebral pathological and compensatory mechanisms in the premotor phase of leucine-rich repeat kinase 2 parkinsonism. Brain 2012;135 (Pt 12):3687-3698. **IF=10.41** Rank in category: Neurosciences=5/231(**Q1**). Citations: 13
- 7 **Thaler A**, Mirelman A, Helmich RC, van Nuenen BF, Rosenberg-Katz K, Gurevich T, Orr-Urtreger A, Marder K, Bressman S, Bloem BR, Giladi N, Hendler T. Neural correlates of executive functions in healthy G2019S

- LRRK2 mutation carriers. Cortex. 2013 Oct;49(9):2501-11. **IF=5.01** Rank in category: Neuroscience =28/233(**Q1**). Citations: 9.
- 8 Mirelman A, Herman T, Yasinovsky K, **Thaler A**, Gurevich T, Marder K, Bressman S, Bar Shira A, Orr Urtreger A, Giladi N, Hausdorff JM on behalf of the LRRK2 Ashkenazi Jewish Consortium. Fall risk and Gait in Parkinson's disease: the role of the LRRK2 G2019S mutation. Mov Disord 2013 October;28(12):1683-90. **IF=4.98**, Rank in category: Clinical Neurology= 14/194(**Q1**). Citations: 11.
- 9 **Thaler A**, Kanety H, Avni T, Mishali D, Hemi R, Yissaschar E, Pariente C, Paret G, Modan-Moses D. Postoperative adiponectin levels in pediatric patients undergoing open heart surgery. Biomed Res Int. 2013; 408680. doi: 10.1155/2013/408680. Epub 2013 Oct 9. **IF=1.59** Rank in category: Biochemistry, Genetics and Molecular Biology: 1047/1878 (**Q3**). Citations: 0.
- 10 Alcalay RN, Mirelman A, Saunders-Pullman R, Tang MX, Mejia SH, Raymond D, Roos E, Orbe-Reilly M, Gurevich T, Bar SA, Gana WM, Yasinovsky K, Zalis M, **Thaler A**, Deik A, Barrett MJ, Cabassa J, Groves M, Hunt AL, Lubarr N, San LM, Miravite J, Palmese C, Sachdev R, Sarva H, Severt L, Shanker V, Swan MC, Soto-Valencia J, Johannes B, Ortega R, Fahn S, Cote L, Waters C, Mazzoni P, Ford B, Louis E, Levy O, Rosado L, Ruiz D, Dorovski T, Pauciulo M, Nichols W, Orr-Urtreger A, Ozelius L, Clark L, Giladi N, Bressman S, Marder KS. Parkinson disease phenotype in Ashkenazi Jews with and without LRRK2 G2019S mutations. Mov Disord 2013 December;28(14):1966-71. **IF=4.98**, Rank in category: Clinical Neurology: 14/194(**Q1**). Citations: 26.
- 11 **Thaler A**, Artzi M, Mirelman A, Jacob Y, Helmich RC, van Nuenen BF, Gurevich T, Orr-Urtreger A, Marder K, Bressman S, Bloem BR, Hendler T, Giladi N. A voxel-based morphometry and diffusion tensor imaging analysis of asymptomatic Parkinson's disease-related G2019S LRRK2 mutation carriers. Mov Disord 2014 May;29(6):823-7. **IF=4.98**, Rank in category: Clinical Neurology: 14/194 (**Q1**). Citations: 4.
- 12 Helmich RC*, **Thaler A***, van Nuenen BF, Gurevich T, Mirelman A, Marder KS, Bressman S, Orr-Urtreger A, Giladi N, Bloem BR, Toni I; On behalf of the LRRK2 Ashkenazi Jewish Consortium. Reorganization of

- corticostriatal circuits in healthy G2019S LRRK2 carriers. Neurology. 2015 Jan 27;84(4):399-406. **IF=8.31**, Rank in category: Clinical Neurology:7/167 (**Q1**). Citations: 4.
- 13 Mirelman A, Alcalay RN, Saunders-Pullman R, Yasinovsky K, **Thaler A**, Gurevich T, Mejia-Santana H, Raymond D, Gana-Weisz M, Bar-Shira A, Ozelius L, Clark L, Orr-Urtreger A, Bressman S, Marder K, Giladi N; LRRK2 AJ consortium. Nonmotor symptoms in healthy Ashkenazi Jewish carriers of the G2019S mutation in the LRRK2 gene. Mov Disord. 2015 Jun;30(7):981-6. **IF=4.98**, Rank in category: Clinical Neurology: 14/194 (**Q1**). Citations: 6.
- 14 Mirelman A, Bernad-Elazari H, Nobel T, **Thaler A**, Peruzzi A, Plotnik M, Giladi N, Hausdorff JM. Effects of Aging on Arm Swing during Gait: The Role of Gait Speed and Dual Tasking. PLoS One. 2015 Aug 25;10(8). **IF=4.98**, Rank in category: Agriculture and Biological Science: 162/1874(**Q1**). Citations: 2.
- 15 Intact working memory in non-manifesting LRRK2 carriers - an fMRI study. **Thaler A**, Helmich RC, Or-Borichev A, van Nuenen BF, Shapira-Lichter I, Gurevich T, Orr-Urtreger A, Marder K, Bressman S, Bloem BR, Giladi N, Hendler T, Mirelman A. Eur J Neurosci. 2016 Jan;43(1):106-12. **IF=4.98**, Rank in category: Neuroscience: 77/509 (**Q1**). Citations: 2.

Reviews

- 16 **Thaler A**, Ash E, Gan-Or Z, Orr-Urtreger A, Giladi N. The LRRK2 G2019S mutation as the cause of Parkinson's disease in Ashkenazi Jews. J Neural Transm. 2009 Nov;116(11):1473-82. **IF=4.98**, Rank in category: Neuroscience: 250/509 (**Q2**). Citations: 2.

Reviewer for Scientific Journals

2010 – Present ad hoc reviewer	Movement Disorders
2010 – Present ad hoc reviewer	Human Brain Mapping
2010 – Present ad hoc reviewer	Brain Imaging and Behavior
2011 – Present ad hoc reviewer	Scientific Reports
2011 – Present ad hoc reviewer	Journal of Neural Transmission

2011 – Present ad hoc reviewer

Journal of Neurology, Neurosurgery and Psychiatry