

**Name : Dr Nikhil Bhandarkar**

### Research interests

- Design and conduct *in-vivo* experiments for biomedical applications,
- miRNA/mRNA-based biomarkers of diabetes progression,
- Epigenetic regulation of adipocytes gene expression,
- Gut microbiome and insulin resistance,
- Analytical method development (quality/quantification via HPLC).

### Education

PhD: (01/05/2014 – 23/04/2018), University of Southern Queensland, Toowoomba, Australia

Master's Degree: (12/02/ 2010 – 15/06/ 2012), La Trobe University, Melbourne, Australia

Undergraduate Degree: (05/05/2006-29/06/2009), RTM Nagpur University, Nagpur, India

### Experience in research (Notice that management and teaching activities are not considered)

- **Post-Doctoral Research**, Ben-Gurion University of the Negev, Beer Sheva, Israel | **Aug 2018 – Current**
- **Research Assistant**, University of Southern Queensland, Toowoomba, Queensland, Australia | **Feb 2018 – July 2018**
- **Laboratory Demonstrator Assistant**, University of Southern Queensland, Toowoomba, Queensland, Australia | **May 2014 – Nov 2017**
- **Research Assistant**, University of Southern Queensland, Toowoomba, Queensland, Australia | **Feb 2014 – May 2014**

### Sector of activity

Health and Life Sciences/Biotech and Pharma  
Nutrition and diet

### Select the option/s about your profile

PhD and 2 additional years of full-time research experience: **Yes**

A minimum of 6 years of fulltime experience in research after Master's degree (*Notice that PhD studies are considered research experience*): **Yes**

### Research Publications

1. Murninkas M, Gillis R, Lee DI, Elyagon S, **Bhandarkar NS**, Levi O, Polak R, Klapper-Goldstein H, Mulla W, Etzion Y. A new implantable tool for repeated assessment of supraventricular electrophysiology and atrial

fibrillation susceptibility in freely moving rats. American Journal of Physiology-Heart and Circulatory Physiology. 2020 Dec 18. **Impact factor: 4.0; SJR: 1.45, Q1**

2. **Bhandarkar NS**, Mouatt P, Goncalves P, Thomas T, Brown L, Panchal SK. Modulation of gut microbiota by spent coffee grounds attenuates diet-induced metabolic syndrome in rats. The FASEB Journal. 2020 Feb 10. **Impact factor: 5.39; SJR: 2.07, Q1**

3. **Bhandarkar NS**, Mouatt P, Brown L, Panchal SK. Green coffee ameliorates components of diet-induced metabolic syndrome in rats. Journal of Functional Foods. 2019 Jun 1; 57:141-9. **Impact Factor: 3.767, SJR: 1.245, Q1**

4. **Bhandarkar NS**, Brown L, Panchal SK. Chlorogenic acid attenuates high-carbohydrate, high-fat diet-induced cardiovascular, liver, and metabolic changes in rats. Nutrition Research. 2019 Feb 1; 62:78-88. **Impact Factor: 2.707, SJR: 1.135, Q2**

5. **Bhandarkar NS**, Kumar SA, Martin J, Brown L, Panchal SK. Attenuation of metabolic syndrome by EPA/DHA ethyl esters in testosterone-deficient obese rats. Marine Drugs. 2018 Jun;16(6):182. **Impact factor: 4.379; SJR: 0.98, Q1**

6. Goldstein N\*, Tsuneki H\*, **Bhandarkar NS\***, Aimaretti E, Haim Y, Kon K, Sato K, Wada T, Liberty IF, Kirshtein B, Dukhno O, Gepner Y, Sasaoka T, Rudich A. Human adipose tissue is a putative direct target of day-time orexin(hypocretin)/orexin receptor system that associates with a positive metabolic phenotype. (\*: equal first authors; under review).

## Contact information

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