BIOGRAPHICAL SKETCH
NRUPALI PATEL

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EDUCATION

Ph.D. 2007 Plant Pathology, North Carolina State University
M.S. 2003 Plant Sciences, University of Tennessee Knoxville
B.S. 2000. Microbiology and Biochemistry, Rhodes University, South Africa

EMPLOYMENT

2017 – present: Teaching Instructor, Dept of Plant Biology, Rutgers University
2015- 2017: Part-time Lecture, Dept of Plant Biology, Rutgers University
2013 – 2014: Visiting Faculty, Dev Sanskriti University, Haridwar, India
2012 – 2013: Research Associate
2007- 2012: Postdoctoral Associate, Dept of Plant Biology and Pathology, Rutgers University
2003-2007: Graduate Research Assistant, Dept of Plant Pathology, North Carolina State University, Raleigh, NC
2001 – 2003: Graduate Research Assistant, Dept of Plant Sciences, University of Tennessee, Knoxville, TN

AWARDS AND HONORS

1. Horticultural Therapist Vocational Education in Green Industry Skills Training for Individuals with Developmental Disorders. *$150,000*. Higher Education Challenge Grant; USDA-NIFA. (**PI**; Altman G, Co-PI). 2020.
2. Sampling for presence of *Dickeya* spp. and other soft rot bacteria in New Jersey potato farms. *$20,000*. New Jersey Department of Agriculture Farm Bill. (**Collaborator;** A. Wyenant Co-PI; Kobayashi D Co-PI; S. Vaiciunas PI), 2017.
Detection and distribution of the oak leaf scorch pathogen *Xylella fastidiosa* in the greater New Jersey area, *$30,000/yr*, McIntire-Stennis (**Co-PI;** Kobayashi D, Co-PI; A. Gould, PI).
3. Characterizing bacterial wilt, a new and potentially devastating disease of blueberry in New Jersey. *$7000*. New Jersey Blueberry and Cranberry Research Council. (**PI**; P. Oudemans Co-PI), 2013
4. Investigating the regulon of the Clp global regulator in *Lysobacter enzymogenes*. $8000 New Jersey Agricultural Experiment Station Competitive Research Fund. (**PD;** Kobayashi D Co-PD) 2012
5. Identifying fungal susceptibility genes as novel targets for disease control $45,000. Rutgers University Turf Grass Center 2012. (**Co-PD**; Kobayashi: PD; C. Cai and B. Hillman: Co-PDs)

TEACHING

1. Plant Science: 200 level, core undergraduate course for major and nonmajors
2. Principles in Botany: 200 level, undergraduate course for majors and nonmajors
3. Molecular Genetics Laboratory: 400 level, Biochemical and molecular aspects of gene function and gene recombination.
4. General Plant Pathology Laboratory: 300 level, undergraduate introductory laboratory course for majors and nonmajors.
5. Undergraduate research mentor June 2009 to present. Dept. of Plant Biology and Pathology, Rutgers

Genbank Nucleotide Sequence Submissions

Patel N., Baldwin A., Wyenandt A., Kobayashi D**.** 2019 **-** 2021. *Pseudomonas cichorii* sequences of Type III secretion protein (HrcS) determined for *P. cichorii* species. Accession number: MW048774; MW048775; MW048776; MK501752; MK507764
Patel N., Baldwin A., Patel R., Wyenandt A., Kobayashi D. 2017. *Dickeya dianthicola* sequences of Pectate lysase (ADE) and DNA polymerase III subunit (DnaX) determined for *Dickeya* species. Accession number: MH233572; MH233573; MH233574; MH233575
Patel N., Karami A, Kobayashi D. 2016. The Genome Sequence of *Ralstonia solanacearum* strain BBAC-C1. Accession number: PRJNA343497

Synergistic activities

1. **Undergraduate Program Director of Plant Biology**, 2020 to present. Department of Plant Biology, Rutgers, New Brunswick, NJ
2. Member, **American Horticultural Therapy Association**, Charles A. Lewis (CL) Excellence in Research Award committee (2018, 2019, 2020)

PUBLICATIONS

Patel N., Kobayashi D., Noto A., Baldwin A., Simon J., A. Wyenandt. 2019. First Report of *Pseudomonas cichorii* causing Bacterial Leaf Spot on Sweet Basil *Ocimum basilicum* in New Jersey. Plant Disease. DOI 10.1094/PDIS-04-19-0895-PDN

Patel N., Baldwin A., Patel R., D. Kobayashi., A. Wyenandt. 2018. First Report of *Dickeya dianthicola* causing Blackleg and soft rot on Potato (*Solanum tuberosum*) in New Jersey, USA. Plant Disease. DOI 10.1094/PDIS-05-18-0775-PDN

de Bruijn, I., Cheng, X., de Jager, V., Gomez Exposito, R., Watrous, J., **Patel N**, J., Postma, J., Dorrestein, P.C., Kobayashi, D.Y., and Raaijmakers, R.M. 2015. Comparative genomics and metabolic profiling of the genus *Lysobacter*. BMC Genomics 16:991 DOI 10.1186/s12864-015-2191-z.