

Personal information:

Name: Osama Osman Atallah

Country: Egypt

Date of birth: March 13, 1983

Cell phone: +1 (863) 326-3079

+2 (012) 81407850

Address: 1453 Fifield Hall, 2550 Hull Rd.,
Gainesville, FL, 32611, USA
Plant Pathology DEPT., Zagazig Univ.,
Ash-Sharkia, 44519, Egypt

E-mail: osamaoatall1h@ufl.edu
oosman@zu.edu.eg



Education:

PhD in Plant Pathology, 2015, University of Florida, USA

M.Sc. in Plant Pathology, 2008, Zagazig University, Egypt

B.Sc. in Agricultural Sciences, 2003, Zagazig University, Egypt

Academic and research skills:

Academic:

1. Writing and editing project proposals and manuscripts independently or in a co-operation with a work group including project PI.
2. Supervising and assisting undergraduate students in multidisciplinary research projects.
3. Teaching assistance for several Plant Pathology courses.

Research:

1. *Nucleic acid analyses* using molecular cloning for single ORFs and virus infectious clones, PCR, qRT-PCR, RT-PCR, Northern blot, Southern blot.
2. *Protein analyses using* ELISA, Western blot, fluorescence and confocal microscopy.
3. *Virology*: inoculation and extraction of long flexuous virion particles, functional analysis of viral RNA sequences and secondary structures, and bioinformatics analysis tools including blast search, multiple sequence alignments, function prediction of viral proteins and RNA, tissue culture and generating transgenic tobacco.
4. Management of hazardous lab waste and lab duties.

Research interests:

Molecular Plant Virology, superinfection exclusion, virus replication, virus movement, reverse genetics, functional analyses, pathogen-derived resistance and bioinformatics.

Research activities:

Articles:

Atallah, O., Kang, SH., El-Mohtar, CA., Shilts, T., Bergua, M., Folimonova, SY. 2016. *Citrus tristeza virus*-induces superinfection exclusion is controlled by multiple viral factors. *Virology*, 489:108-115.

Atallah, O., Aly, AZ., Abdel-Kader, DA., Tohamy M.R.A. 2008. Pathological studies on *Alternaria* leaf spot disease of date-palm in east delta. *Zagazig J. Agric. Res.*, 35(4): 725-753.

Talks:

Atallah, O., Folimonova, S.Y. 2015. Superinfection exclusion by *Citrus tristeza virus* is a complex phenomenon that requires multiple viral factors. 14th Biennial meeting of the Florida Phytopathological Society (Abstract).

Atallah, O., Kim, O., Shilts, T., Folimonova, S.Y. 2014. The region in the genome of *Citrus tristeza virus* that encodes two papain-like leader proteases is involved in virus superinfection exclusion. 33rd Annual ASV Meeting (Abstract # W46-10).

Atallah, O., Folimonova, S.Y. 2014. Superinfection exclusion between *Citrus tristeza virus* isolates requires homologous viral leader proteases. 27th Annual PMCB workshop (Abstract).

Posters:

Folimonova, S.Y., Atallah, O., Kang, SH. 2016. Examination of the mechanisms of superinfection exclusion by *Citrus tristeza virus*. *APS annual meeting*, Tampa, Florida (Abstract # 755-P).

Atallah, O., Kang, SH., Folimonova, S.Y. 2015. Examination of the involvement of the primary and secondary RNA structures located in the 5'-proximal region of *Citrus tristeza virus* genome in virus replication and movement. Florida Genetics Symposium 2015, University of Florida (Abstract # 5). (Received the best postdoc poster award)

Atallah, O., Folimonova, S.Y. 2014. Exploring determinants of superinfection exclusion by *Citrus tristeza virus*. Florida Genetics Symposium 2014, University of Florida (Abstract # 5).

Awards:

- Florida Genetics Symposium 2015 Best Postdoc Poster award, November 19, 2015

Academic activities and workshops:

- Microscopy, Photomicrography, and Field Photography Graduate Student Workshop (lecturing fluorescent microscopy session, March 2016)
- PATRIC; free bioinformatics workshop for bacterial pathogens (attendance, July 2015)
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Employment history:

April 2016 till now: Lecturer of Plant Pathology at Zagazig University, Egypt

June 2016 till March 2016: Postdoctoral associate at University of Florida, USA

May 2011 till June 2015: PhD student at University of Florida, USA

November 2008 till April 2011: Teaching assistant at Zagazig University, Egypt

November 2003 till October 2008: Lab assistant at Zagazig University, Egypt

References:

- Dr. Svetlana Folimonova Y. *Associate Professor, University of Florida*
+1 (863) 738-8124, svetlana@ufl.edu
- Dr. Jeffrey Rollins *Associate Professor, University of Florida*
+1 (352) 273-4620, rollinsj@ufl.edu
- Dr. William Dawson *Eminent Scholar, University of Florida*
+1 (863) 956-8714, wodtmv@ufl.edu