Shyam Solanki, Ph.D.

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Studying the host-microbe interaction, occurring on the agriculturally relevant plants is my major area of research interest. My education and research training continuously thrusts me to develop and employ cutting edge tools and ideas to pursue my research interests with an ideology of keeping '*one foot in the furrow, another in the lab and mind in the union of both*'.

I expand my professional and interpersonal skills by continuous two-way learning from peers and educating/mentoring back to the students. I strongly believe and practice to promote inclusiveness in research and education, irrespective of color, gender, religion, or sexual orientation. Diversity in my experience and expertise helps me to easily fit in with people and work environment. I like to travel, explore traditions, and cherish the socio-cultural diversity of the people. My mental support in the journey of life comes from my wife, who is a wonderful person and a plant pathologist.

Education

- **Ph.D., Plant Pathology (GPA: 3.9/4.0)** **July 2013-May 2018**
  North Dakota State University, Fargo, ND, USA
  Dissertation- Dissecting the mystery behind *Rpg5* mediated *Puccinia graminis* resistance in barley using genetics, molecular and bioinformatics approaches
  Dissertation defense - **Dec 2017**[¥]
  Academic Advisor- Dr. Robert S. Brueggeman

- **M.Sc., Life Sciences and Biotechnology (GPA: 8.0/9.0)**
  South Asian University, New-Delhi, India **August 2011-May 2013**
  Thesis- Yeast two hybrid method to identify ligand of Toll-3 receptor of *Drosophila*
  Academic Advisor- Dr. Nirotpal Mrinal

- **B.Sc., Horticulture (GPA: 8.1/10.0)** **August 2006-May 2010**
  A.N.G.R. Agricultural University, Hyderabad, India

Research Experience

- Postdoctoral Research Associate, Washington State University, Pullman, WA **Aug 2019-Ongoing**
- Postdoctoral Research Associate, North Dakota State University, ND. **Dec 2017**[¥] **-Aug 2019**
  [¥]upon dissertation defense, Ph.D. awarded in May 2018.
- Graduate Research Assistant, North Dakota State University, Fargo, ND **July 2013-Dec 2017**
- M.Sc. research, South Asian University, New-Delhi, India **June 2012- May 2013**

Grantsmanship

- NSF-PBI (CO-PI, In preparation, ~$700,000) **2020**
- Washington Grain Commission, on barley malting (CO-PI, successful, $103,000) **2020**
- NSF/USDA-AFRI (Contributed, Unsuccessful) **2019**
- Great Plains IDeA-CTR (PI, Unsuccessful) **2019**
- NDSU RCA seed grant (PI, Successful, $1000) **2018**
- NSF/USDA-AFRI (Contributed, Successful, $600,000) **2018**
- NSF-CBET (Contributed, Successful, $359,401) **2017**

Awards and Honors

- Keystone Symposia Scholarship. **2018**
- Golden Key International Honor Society **2017**
- H. Arthur Lamey Plant Pathology Graduate Student Scholarship **2017**
- 12th International Barley Genetics Symposium (IBGS) Travel Award **2016**
- Council of Scientific and Industrial Research-National Eligibility Test **2013**
- South Asian Association for Regional Cooperation (SAARC) **2011-2013**
  Talent Scholarship at South Asian University.
- Indian Council of Agricultural Research **2010**
  Junior Research Fellowship, Biotechnology (All India Rank 23).
- Indian Council of Agricultural Research, National Talent Scholarship. **2006-2010**

Teaching Experience

- R for Biologist, online learning group on Zoom **May 2020**
- Plant Pathology Departmental Seminar evaluation instructor **Fall 2018-Fall 2019**
  North Dakota State University, ND
- Teaching for Skype a Scientist Program, Online **2018**
- Training to encourage increased women participation **2018**
  in STEM education
- Graduate teaching (Classroom guest lectures)
  - 'Molecular Markers and their Utilization' **Spring 2018**
    Host- Parasite Genetics, North Dakota State University, ND
  - 'Tools of the Crook- Strategies of Plant Pathogenic Fungi' **Spring 2018**
    Host- Parasite Genetics, North Dakota State University, ND
  - 'Co-evolution and molecular plant-viral pathogen interaction' **Spring 2018**
    Host- Parasite Genetics, North Dakota State University, ND
  - 'Parallels between Animal and Plant Immunity' **Spring 2016**
    Host-Parasite Genetics, North Dakota State University, ND
- Undergraduate teaching
  - 'Introductory Plant Pathology' PPTH 324/ PPTH654 **Fall semester 2016-17**
    North Dakota State University, ND

Industry Experience

- Worked as 'Brand Promotion and Extension officer' **2010 (June-December)**
  Aries-Agro Ltd.

Leadership

- Vice- President, WSU Postdoctoral and Research Professional Association **2019-2020**
- Captain, Cricket Club, Fargo, ND, USA. **2015-2019**
- Vice-President, Plant Pathology Student Organization, NDSU, ND, USA. **2015-2016**
- Treasurer, Plant Pathology Student Organization, NDSU, ND, USA. **2014-2015**
- President, Student body of South Asian University, New Delhi, India. **2012-2012**
- Student Hostel Food Committee, South Asian University, New Delhi, India. **2011-2012**
- Cricket Team Captain, South Asian University, India. **2011-2013**

Researchers Mentored

- Sudha G.C. Upadhaya (2019-2020, WSU)
- Two K-12 students; Hannah Khan, Atiya khan (2015-2018, NDSU)
- Two undergraduates; Alex Stangel (2016, NDSU, ND) and Harris Ali (2015, NDSU)
- Three graduate students from other departments at NDSU, ND; Enayat Hussain (2015-2016), Priyanka Deka (2015-2017) and Debankur Sanyal (2017-2018).
- Five departmental graduate students at NDSU, ND; Roshan Sharma Poudel (2015-2016), Arjun Upadhyay (2017-2019), Azita Alasvand Zarasvand (2017-2018), Wail Alsolami (2017-2019) and Mohammad Ziaur Rahman Bhuiyan (2019).
- Post-Doctoral Researcher at NDSU Plant Sciences; Dr. Jin Zhao (2018-2019)
- Technician at NDSU Animal Sciences; Jordan Flaten (2019)

Service

Reviewed 26 publications in scientific journals such as:

- Reviewer of Journal of the *American Society of Brewing Chemists* **2020-ongoing**
- Reviewer of *Nature Communications* **2019-ongoing**
- Reviewer of *PLOS ONE* **2019-ongoing**
- Reviewer of *Plant Methods* **2018-ongoing**
- Reviewer of *Frontiers in Nutrition* **2018-ongoing**
- Ad hock reviewer of *Plant Biotechnology Journal* **2017-ongoing**
- Reviewer of *Bio-Protocol* **2016-ongoing**

Professional Membership

- AAAS/Science member **2019-Ongoing**
- International Society of Molecular Plant Microbe Interactions **2016-2017**
- American Phytopathological Society **2015-2016**

Publications

Research Articles (Published/Accepted - 12), *- As corresponding author

1. Zhao, J., **Solanki, S.***, Ameen, G., Gross, T., Poudel, R.S., Borowicz, P., Brueggeman, R.S. and Schwarz, P. **2020**. Localization of hyphal growth associated with mycotoxin production during the malting of Fusarium head blight infected grains. (First on *BioRxiv*, Under review in *MPMI*).
2. **Solanki, S.**, Ameen, G., Zhao, J., Schwarz, P., Jain, S., Flaten, J., Bororwicz, P., and Brueggeman, R.S. **2020**. Visualization of spatial gene expression pattern in plants by modified RNAscope fluorescent *insitu* hybridization. *Plant Methods*, 16, pp.1-9. (First on *BioRxiv*).
   Featured article on Select Science communication, UK.
3. Ameen, G., **Solanki, S.**, Drader, T., Sager, L., Steffenson, B., Kleinhofs, A. and Brueggeman, R.S. **2020**. A wall-associated kinase gene is the spot blotch susceptibility gene *Rcs5* in barley. (First on BioRxiv, Reviewed and resubmitting in *Proceedings of the National Academy of Sciences, USA* with suggested experiments).
4. Sanyal, D., **Solanki, S.***, Ameen, G., Brueggeman, R.S., and Chatterjee, A. **2020**. Understanding the expression dynamics of symbiont rhizobial *nifH* and nitrogen assimilatory *NR* and *GS* genes in dry bean (*Phaseolus vulgaris* L.) genotypes at various growth stages. *Legume Science*, p.e26.
5. Khan, M. F. R., Bhuiyan, M. Z. R., Chittem, K., Shahoveisi, F., Haque, M. E., Liu, Y., Hakk, P., **Solanki, S.**, and del Rio. L. E. **2020**. First report of *Sclerotinia sclerotiorum* causing leaf rot in sugar beet (*Beta vulgaris* L.) in North Dakota, USA. *Plant Disease* (ja).
6. Tamang, P., Richards, J., **Solanki, S.**, Ameen, G., Sharma Poudel, R., Deka, P., Effertz, K., Gross, T., Hegstad, J., Bezbaruah, A., Li, X., Horsley, R., Friesen, T., and Brueggeman, R.S. **2020**. The barley *HvWRKY6* transcription factor is required for resistance against *Pyrenophora teres* f. *teres*. *Gene Genome and Genetics*, (accepted with minor revisions).
7. **Solanki, S.,** Ameen, G., Borowicz, P. and Brueggeman, R.S., **2019**. Shedding light on penetration of cereal host stomata by wheat stem rust using improved methodology. *Scientific Reports*, 9(1), p.7939.
8. **Solanki, S.**, Richards, J., Ameen, G., Wang, X., Khan, A., Ali, H., Stangle, A., Tamang, P., Gross, T., Gross, P., Fetch, and Brueggeman, R.S., **2019**. Characterization of genes required for both *Rpg1*- and *rpg4*-Mediated wheat stem rust Resistance in barley. *BMC Genomics*. 20(1), p.495.
9. Sharma Poudel, R., Richards, J., Shrestha, S., **Solanki, S.**, and Brueggeman, R. **2019**. Transcriptomics wide association study identifies putative elicitors/suppressor of *Puccinia graminis* f. sp. *tritici* that modulates barley *rpg4*-mediated stem rust resistance pathways. *BMC Genomics*. 20(1), p.985.
10. Elakhdar, A., Kumamaru, T., Smith, K.P., Brueggeman, R.S., Capo-chichi, L.J. and **Solanki, S.**, **2017**. Genotype by environment interactions (GEIs) for barley grain yield under salt stress condition. *Journal of Crop Science and Biotechnology*, *20*(3), pp.193-204.
11. Steffenson, B.J., **Solanki, S.** and Brueggeman, R.S., **2016**. Landraces from mountainous regions of Switzerland are sources of important genes for stem rust resistance in barley. *Alpine botany*, 126(1), pp.23-33.
12. **Solanki, S.,** Richards, J., Ameen, G., Brueggeman, R.S. **2016**. Modulation of integrated decoy R-genes/transcription factor assembly elicits wheat stem rust resistance responses in barley: *rpg4/Rpg5*-mediated Ug99 resistance. International barley genome consortium, *International Barley Genetics Symposium* (IBGS), MN, USA. 12 (1), 67-71.

Book Chapters (03)

1. **Solanki, S.***, Ameen, G., Sanyal, D., Jain, S., Elakhdar, A., Lall, S., Chittem, K., Brueggeman, L., Kumar, A., and Brueggeman, R.S. **2020**. Friends and Foes: Phyto microbial interactions in molecular perspective. In *Phyto-Microbiome in Stress Regulation* (pp. 81-98). Springer, Singapore (**Invited contribution**).
2. Brueggeman, R.S., **Solanki, S.,** Ameen, G., Effertz, K., Sharma Poudel, R., and Karakaya, A. **2020**. Fungal diseases affecting barley. In *Achieving sustainable cultivation of barley*, Chapter 10, Burleigh Dodds science publishing.
3. Brueggeman, R. S., and **Solanki, S. 2017**. Barley stem rust resistance mechanisms: diversity, gene structure, and function suggest a recently evolved host-pathogen relationship. In *Management of wheat and barley diseases* (pp. 579-604). Apple Academic Press.

Under Review (Total: 01)

In preparation, with intended journals (Total: 11)

1. **Solanki, S.,** Ameen, G., Arora, D., Bororwicz, P., and Brueggeman, R.S. (202_). Integration of two functionally diverse domains in Rpg5 NLR regulates the functional switch to trip the Ug99 resistance responses in barley. (*Proceedings of the National Academy of Sciences, USA*).
2. **Solanki, S.,** Richards, J., Jain, S., Qiu, C., Ameen, G., Sharma-Poudel, R., Aldrich-Wolfe, L., LeBoldus, J., Underwood, W., Nelson, B.D. Jr, and Brueggeman, R.S. (202_). Host induced gene silencing of identified virulence factors provides resistance to *Sclerotinia sclerotiorum* in Arabidopsis. (*PLOS Genetics*).
3. Deka, P., Ameen G., Sharma Poudel, R., **Solanki**, **S.**, Brueggeman, R.S. and Bezbaruah A. (202_). Zinc Oxide Nanoparticles induced Compromised Immunity in Resistant Barley Line CI5791 to the Necrotrophic Fungal Pathogen *Pyrenophora teres* f. *teres*. (Proceedings of the National Academy of Sciences, USA).
4. **Solanki, S.,** Ameen, G., Arora, D., Bororwicz, P., and Brueggeman, R.S. (202_). Actin depolymerization factor like-3 in *rpg4/Rpg5* stem rust resistance locus involves in early pathogen sensing and actin remodeling. (*The FEBS Journal*).
5. **Solanki, S.**, Richards, J., Ameen, G., Wang, P., Gross, T., Gross, P., Fetch, and Brueggeman, R.S., (202_). Identification and characterization of *Rpr8* gene required in *rpg4* mediated stem rust resistance. (*Frontiers in Genetics*).
6. **Solanki, S.***, Ameen, G., Bororwicz, P., and Brueggeman, R.S. (202_). A sensitive, cost effective and rapid method for sample preparation and fungal bio volume calculation using confocal microscopy. (*Bio-protocol*).
7. Ameen G., Bittara-Sager, L., **Solanki, S.**, Richards, J., Tamang, P., Friesen, T.L., and Brueggeman, R.S. (202_). The *Nec3* Gene is a Putative Negative Regulator of Pathogen Induced Programmed Cell Death in Barley. (*G3*: *Genes Genomes Genetics)*.
8. Alsolami, W., Sharma Poudel, R., **Solanki, S.**, Ameen, G., and Brueggeman, R.S. (202_). Understanding Programmed Cell Death Pathways by Characterizing Barley Disease Lesion Mimic Mutants. (*G3*: *Genes Genomes Genetics*).
9. Zhao, J., **Solanki, S.***, Ameen, G., Schwarz, P., and Brueggeman, R.S. (202_). Spatio-temporal expression of mycotoxin producing *Tri5* gene in *Fusarium graminarium*. (*Molecular Plant Microbe Interactions*).

10. Hoang, P., **Solanki, S.**, Sharma Poudel, R., Brueggeman, R.S., and Bezbaruah A. (202_). Evaluation of biogenic Zn and Fe nanoparticle application on soil microbiota. (*Frontiers in Nanotechnology*)
11. Bhuiyan, M. Z. R., Solanki, S., Chittem, K., and Khan, M. F. R. Deciphering the Infection Pattern of *Cercospora beticola* infestation on sugar beet (Beta vulgaris L.) leaves to validate the critical genetic factors affection its successful colonization. (Phytopathology)

Research Dissemination - Interviews

1. Using *in situ* RNAscope analysis to visualize spatial gene expression in plants: Interviewed by *SelectScience, UK*
   https://www.selectscience.net/editorial-articles/using-in-situ-rnascope-analysis-to-visualize-spatial-gene-expression-in-plants/?&artID=51997

Presentations at Scientific Meetings

Oral Presentations (Total: 07)

International Meetings

1. **Solanki, S.**, Ameen, G., Arora, D., Borowicz, P., and Brueggeman, R. **2019**. Functionally antagonistic integrated domains of the *Rpg5* NLR immunity receptor interact to regulate stem rust resistance in barley. Plant Genomes, Systems Biology and Engineering meeting, *Cold Springer Harbor Laboratories*, New York, USA.
2. **Solanki, S.**, Ameen, G., Sharma Poudel, R., Borowicz, P., and Brueggeman, R. **2018**. Timing is everything: Stomatal manipulation facilitates *Puccinia graminis* entry in dark, resulting in counter evolution of barley *Rpg5* immune receptor. *International congress of Plant Pathology* (ICPP), Boston, MA, USA.
3. **Solanki, S. 2016**. Modulation of integrated decoy R-genes/transcription factor assembly elicits wheat stem rust resistance responses in barley: *rpg4/Rpg5*-mediated Ug99 resistance. International barley genome consortium, *International Barley Genetics Symposium* (IBGS), Minneapolis, MN, USA. (***Only student presentation selected under Biotic Stresses section***).
4. **Solanki, S.**, and Brueggeman, R. **2015**. Towards Elucidating the Molecular Mechanism Underlying *rpg4*-Mediated Ug99 resistance in Barley. Plant Biotic Stresses & Resistance Mechanism II Conference, Vienna, Austria.
5. **Solanki, S.,** Brueggeman, R. **2014**. *rpg4/ Rpg5*-mediated stem rust resistance. *Networks in Immunity Workshop*, Davis-CA, USA.

National Meetings

1. **Solanki, S.**, and Brueggeman, R. **2015**. Unfolding the molecular interaction between stem rust resistance genes in barley. *North American Rust Workers meeting*. Fargo, ND, USA
2. **Solanki, S.**, and Brueggeman, R. **2015**. Pathogen Sensing Triggers Early Upregulation of NLR's, Which Primes Later Effector Triggered Immunity Responses in Barley. *Proceedings of the North Dakota Academy of Science*, ND, USA.

Conference Poster Presentations (Total: 27)

International Meetings

1. Ameen, G., Drader, T., **Solanki, S.**, Sager-Bittara, L. Steffenson, B., Kleinhofs, A. and Brueggeman, R. **2019**. The Hijacking of Barley Wall Associated Kinases by *Bipolaris sorokiniana* to cause Spot Blotch Disease. *International Plant and Animal Genome XXVII*, CA, USA.
2. Kassaye, B., Sharma Poudel, R., **Solanki, S.**, Misar, C., Lakin, R., Nelson, B., Brueggeman, R. and Underwood, W. **2018**. Association Mapping of *Sclerotinia sclerotiorum* mid-stalk rot virulence on two sunflower inbred lines. *International congress of Plant Pathology*, Boston, MA, USA.
3. Ameen, G., Sager-Bittara, L., Richards,J., **Solanki**, S., Friesen, T. L., Brueggeman, R. S. **2018**. The *Nec3* gene is a putative negative regulator of pathogen induced programmed cell death in barley. *International congress of Plant Pathology*, Boston, MA, USA.
4. **Solanki, S.,** Ameen, G., Sharma Poudel, R., Borowicz, P., and Brueggeman, R. **2018**. *Rpg5*-mediated stem rust resistance in barley; stomatal manipulation leads to counter evolution of an integrated decoy immune receptor. *Keystone Symposia*, Plant Signaling: Molecular Pathways and Network Integration, Tahoe City, California USA.
5. Deka, P., Sharma Poudel, R., **Solanki, S.**, Vogiatzis, C., Bezbaruah, A. and Brueggeman, R. **2017**. Barley-engineered nanoparticle-phytopathogen interactions: Induced physiological reprogramming of innate immunity. *PanNano-2017*, Guarujá, Brazil
6. Brueggeman, R., Richards, Tamang, P., **Solanki, S.**, Ameen, G., Sharma Poudel, R. and Friesen, T. **2017**. Using mutagenesis with exome capture to identify barley leaf disease resistance signaling pathways. *22nd North American Barley Researchers Workshop*, Alberta, Canada
7. **Solanki, S.**, Sharma Poudel, R., Ameen, G., Richards, J., Abbasov, M. and Brueggeman, R. **2017.** NLR with Janus Faced Integrated Sensory Domains**.** *International Plant and Animal Genome*, *XXV*, CA, USA.
8. Ameen, G., Drader, T., **Solanki, S.**, Sager, L. Steffenson, B., Kleinhofs, A. and Brueggeman, R. **2017**. *Rcs5* is a wall associated kinase gene that functions as a dominant susceptibility factor in the Barley- *Cochliobolus sativus* interaction to produce necroptosis. *International Plant and Animal Genome XXV*, CA, USA.
9. **Solanki, S.**, Ameen, G. and Brueggeman, R. **2016.** A Dual NLR with an integrated sensory domain, complexes with a transcription factor to mediate Ug99 resistance in barley. *XVII IS-MPMI*, OR, USA.
10. Sharma Poudel, R., Richards, J., **Solanki, S.** and Brueggeman, R.S. **2016**. *Puccinia graminis* f. sp. *tritici* Avr-r45; identification of an effector that manipulates an integrated domain R-protein complex. *XVII IS-MPMI*, OR, USA.
11. Brueggeman, R.S., Sharma Poudel, R., **Solanki, S.** and Richards, J. **2016**. Barley *rpg4/Rpg5* Integrated Decoy Resistance to Ug99; Towards Effector Identification. *International Plant and Animal Genome, XXIV*, CA USA.
12. Sharma Poudel, R., Richards, J., **Solanki, S.** and Brueggeman, R.S. **2016**. You need two to Tango: Identification of candidate effectors/avirulence genes that interact with the wheat stem rust resistance locus *rpg4/Rpg5*. International barley genome consortium, *International Barley Genetics Symposium* (IBGS), MN, USA.
13. Sharma Poudel, R., Richards, J., **Solanki, S.** and Brueggeman, R.S. **2015**. Exploring the dark Side. Identification of the candidate effectors of Ug99 resistant locus *rpg4/Rpg5*. *American Phyto-pathological Society*, CA, USA.

14. **Solanki, S.** and Brueggeman, R. **2014.** Towards characterizing the molecular mechanisms of Ug99 resistance in barley. *Networks in Immunity Workshop*, Davis-CA, USA.

National Meetings

1. **Solanki, S.,** Ameen, G., Arora, D., Bororwicz, P., and Brueggeman, R.S. **2020**. Functionally antagonistic integrated domains of the *Rpg5* NLR immunity receptor interact to regulate stem rust resistance in barley. Washington State University Research Showcase, Pullman, WA, USA.
2. Zhao, J., **Solanki, S.**, Tang, R., Schwarz, P., and Brueggeman. R. **2019**. Fungal Localization and Mycotoxin Production in FHB Infected Grain and Malt Kernels. United States Wheat and Barley Scab Initiative, Milwaukee, Wisconsin, USA.
3. Zhao, J., **Solanki, S.**, Tang, R., Schwarz, P., and Brueggeman. R. **2019**. Patterns of Fungal Distribution in Fusarium Infected Barley, Rye and Triticale Grain and Malt. *American Society of Brewing Chemists*, New Orleans, Louisiana, USA.
4. Zhao, J., **Solanki, S.**, Tang, R., Schwarz, P., and Brueggeman. R. **2018**. Patterns of Fungal Distribution in Fusarium Infected Barley, Rye and Triticale Grain and Malt. *National Fusarium Head Blight Forum*, St. Louis, MO, USA.
5. **Solanki, S.**, Ameen, G., Sharma Poudel, R., Borowicz, P., and Brueggeman, R. **2018**. Rpg5 integrated decoy immune receptor mediated stem rust resistance in barley. *North Central American Phytopathological Society Meeting*, Fargo, ND, USA.
6. Sanyal, D., **Solanki, S.**, Ameen, A., Brueggeman, R. S. and Chatterjee, A. **2017**.Understanding the Expression Dynamics of Rhizobial *nifH* and Dry Bean (*Phaseolus vulgaris*) *NR* and *GS* Genes. *SNRS Symposium*, ND, USA.
7. Sanyal, D., **Solanki, S.**, Ameen, A., Brueggeman, R. S. and Chatterjee, A. **2017**.Understanding the Expression Dynamics of Rhizobial *nifH* and Dry Bean *NR* and *GS* Genes. *ASA-CSSA-SSSA Annual Meeting*, FL, USA.
8. Sharma Poudel, R., **Solanki, S.**, Shrestha, S., Richards, J. and Brueggeman, R. **2017**. Rise to the bait: Towards identifying the Puccinia graminis effector Avr4/5 "baited in" by the Rpg5 protein kinase integrated decoy domain. *29th Fungal Genetics Conference*, Pacific Groove, CA
9. Kassaye, B., **Solanki, S.**, Nelson, B., Brueggeman, R. and Underwood, W. **2017**. Variation among a large and diverse collection of *S. sclerotiorum* isolates for virulence on sunflower inbred lines. *14th Annual National Sclerotinia Initiative Meeting*, MN, USA.
10. Brueggeman, R., Jain, S., Richards, J., Qiu, C., **Solanki, S.**, Aldrich-Wolfe, L., LeBoldus, J., Underwood, W. and Nelson Jr, B. D. **2016**. Identifying candidate genes for aggressiveness via association analysis of a diverse population of *Sclerotinia sclerotiorum*. *14th Annual National Sclerotinia Initiative Meeting*, MN, USA.
11. Jain, S., Brueggeman, R., Richards, J., Qiu, C., **Solanki, S.**, Aldrich-Wolfe, L., LeBoldus, J. and Nelson Jr, B. D. **2015**. Identification of key regulators of pathogen virulence for *Sclerotinia* stem rot in soybean and dry bean using next generation sequencing. *Plant Biology*, MN, USA.
12. Chauhan, M., Ansari, S. and **Solanki, S. 2012**. Hepatitis C Therapeutics: Current status and emerging strategies, *Faculty of Life Sciences and Biotechnology-South Asian University*, New Delhi, India.
13. **Solanki, S.**, Ansari, S. and Chauhan, M. **2012.** Chikungunya a re-emerging viral infection, *Faculty of Life Sciences and Biotechnology-South Asian University*, New Delhi, India