

Publications

Peer- reviewed journal articles

- **Neupane, A.**, Feng, C., Mochama, PK., Saleem H., and Lee Marzano SY. (2019). Roles of Argonautes and Dicers on *Sclerotinia sclerotiorum* Antiviral RNA Silencing. *Frontiers in Plant Science*; 10:976.
- SY., Marzano, **Neupane, A.**, Domier, L. (2018). Transcriptional and Small RNA Responses of the White Mold Fungus *Sclerotinia sclerotiorum* to Infection by a Virulence-Attenuating Hypovirus. *Viruses*; 10 (12), 713.
- **Neupane, A.**, Feng, C., Feng, J., Kafle, A., Bücking, H., and Marzano, SY. (2018) Metatranscriptomic Analysis and In Silico Approach Identified Mycoviruses in the Arbuscular Mycorrhizal Fungus *Rhizophagus* spp. *Viruses* 10 (12), 707.
- Neupane, S., Schweitzer, SE., **Neupane, A.**, Andersen, EJ., Fennell, A., Zhou and Nepal, MP. (2019). Identification and Characterization of Mitogen-Activated Protein Kinase (MAPK) Genes in Sunflower (*Helianthus annuus* L.). *Plants (Basel)* 8.
- Neupane, S., Andersen, E., **Neupane, A.**, and Nepal, M. (2018) Genome-Wide Identification of NBS-Encoding Resistance Genes in Sunflower (*Helianthus annuus* L.). *Genes* 9 (8), 384.
- Mochama, P., Jadhav, P., **Neupane, A.**, Marzano, SY. (2018) Mycoviruses as Triggers and Targets of RNA Silencing in White Mold Fungus *Sclerotinia sclerotiorum*. *Viruses* 10 (4).
- S. Piya, **Neupane, A.**, Butler, J., Larson, GE., and Nepal, MP. (2014) Genetic Diversity and Population Structure of Sickleweed (*Falcaria vulgaris* L.) in the Upper Midwest USA Midwest USA. *Biological Invasions* 2014:1-11.
- **Neupane, A.**, Nepal, MP., Benson, BV., MacArthur, KJ., and Piya, S. (2013). Mitogen-Activated Protein Kinase Genes and their Evolutionary History in *Lotus*, *Medicago* and *Phaseolus*. *Plant Signaling & Behavior*; 8:e27189.
- **Neupane, A.**, Piya, S., Subramanian, S., Rohila, JS., Reese, N., and Nepal, MP. (2013). Identification, Nomenclature, and Evolutionary Relationships of Mitogen-Activated Protein Kinase (MAPK) Genes in Soybean. *Evolutionary Bioinformatics*; 9:363-86.
- Piya, S., **Neupane, A.**, Butler, J., Larson, GE., and Nepal, MP. (2012). Inferring the introduction history of sickleweed (*Falcaria vulgaris* L.) in the United States. *Proceedings of the South Dakota Academy of Science*; 91:113-129.

Presentations

- **Neupane, A.**, and Marzano, S. Profiling the Classes of the RNA Editing in Virus-derived small RNAs in White Mold *Sclerotinia sclerotiorum*. *American Society for Virology*, 2019, 20-24 July, Minneapolis, USA (Oral).
- **Neupane, A.**, Mochama, P., Saleem, H., Marzano, S. Roles of Dicers and Argonautes on *Sclerotinia sclerotiorum* Antiviral Small RNA Processing. *Plant and Animal Genome Conference XXVII*, 2019, 12-16 January, San Diego, CA, USA (Poster).
- Smith, A., **Neupane, A.**, Ellis, J., Afrin, S., Burow, R., Stinson, C., Leo, P., Cristino, A., Moore, A. MEK inhibitor resistance in acute myeloid leukaemia. *New Direction in Leukaemia Research*, 2016, 16-19 March, Peppers Noosa, Australia (Poster)

- Leo, P., **Neupane, A.**, Bassal, M., Maung, Z., Newell, F., Ellis, M., Boxall, G., Smith, A., Marlton, P., D'Andrea, R., Gonda, T., Brown, M., Saal, R., Moore, A. Gene Discovery in Acute Myeloid Leukaemia: somatic and germline mutations. *International Congress of Immunology*, 2016, 21-26 August, Melbourne, Australia (Oral).
- Moore, A., Leo, P., **Neupane, A.**, Bassal, M., Newell, F., Ellis, M., Boxall, G., Smith, A., Marlton, P., D'Andrea, R., Gonda, T., Brown, M., Saal, R., Anderson, L. Sensitivity of Whole Exome Sequencing for the Detection of FLT3-ITD and NPM1 Mutations in Acute Myeloid Leukaemia. *European School of Hematology (ESH)*. 2015, 10-12 September, Budapest, Hungary (Oral).
- **Neupane, A.**, Eyun, S., Wang, H., Siegfried, BD., and Moriyama, EN. Transcriptome analysis of western corn rootworm larvae and eggs. *IWGO & International Conference of Diabrotica Genetics*. 2014, 14-17 April. Chicago, IL, USA (Poster).
- **Neupane, A.**, Piya, S., Reese, N., Rohila, JS., Subramanian, S., and Nepal, MP. Identification of Mitogen Activated Protein Kinase Family members in Soybean. *Botanical Society of America Conference 2012*, 7-11 July. Columbus, OH, USA (Poster).
- Piya, S., **Neupane, A.**, Butler, J., Larson, GE., and Nepal, MP. Population Genetics of *Falcaria vulgaris* (Sickleweed) in North America. *Botanical Society of America Conference 2012*, 7 -11 July. Columbus, OH, USA (Poster).
- Piya, S., **Neupane, A.**, Butler, J., Larson, GE., and Nepal, MP. Introduction history and spread of *Falcaria vulgaris* Bernh. (Apiaceae) in the United States based on herbarium records. *South Dakota Academy of Science 2012*, 13-14 April. Vermillion, SD, USA (Oral).
- **Neupane, A.**, Piya, S., Subramanian, S., Rohila, JS., Reese, N., and Nepal, MP. A Nomenclatural Conundrum: Applying Existing Nomenclature to the Identification of Soybean (*Glycine max*) MAP Kinase Genes. *ASPB Midwestern Sectional Society 2012*, 24-25 March. Lincoln, NE, USA (Poster).

Neupane, A., Anjorin, C., Song, X., and Kumar, D. Anticancer Activity of Novel Ionic Triorganotin Derivatives against MDA-MB 231 Breast Cancer Cells. *HBCU-UP National Research Conference 2009*, October 29-November 1. Washington, DC, USA (Poster).