

| ISSS CONFERENCE: POSTER PRESENTATION PROGRAM | | | | | | |
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| MONDAY NIGHT POSTER SESSION: Monterey Bay Room, 5:15 - 7:00 pm | | | | | | |
| Poster Number | Presenter | Abstract Title | Poster Format | Topic | Poster Session | 1-Min Preview Presentation |
| M001 | Silvio Moure Cicero | SOYBEAN SEED TREATMENT WITH A FORMULATION CONTAINING MANGANESE CARBONATE AS RAW MATERIAL: EFFECTS ON INITIAL PLANT DEVELOPMENT AND MANGANESE UPTAKE BY PLANTS | Poster + 1-Minute Presentation | None selected | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M002 | Theresa Aveling | SEED HEALTH TEST VALIDATION IN THE REGULATORY MOVEMENT OF SEED INTERNATIONALLY | Poster + 1-Minute Presentation | None selected | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M003 | Ross Johnson | SOG1 LINKS THE DNA DAMAGE RESPONSE TO ORGAN REGENERATION | Poster | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | none |
| M004 | Stephanie Sjoberg | THE LOW FALLING NUMBER PROBLEM OF WHEAT: APPLYING KNOWLEDGE ABOUT SEED BIOLOGY TO A REAL WORLD ISSUE | Poster | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | none |
| M005 | Jack Mitchell | MONITORING THE PRE-GERMINATION GENE EXPRESSION OF INDIVIDUAL ARABIDOPSIS THALIANA SEEDS USING A REAL-TIME LUCIFERASE REPORTER SYSTEM TO ADDRESS SEED VARIABILITY | Poster | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | none |
| M006 | Rocio Fernández, presented by Diego Batlla and/or Roberto Benech-Arnold | ENVIRONMENTAL MATERNAL EFFECTS ON TEMPERATURE-DEPENDENT DORMANCY RELEASE IN POLYGONUM AVICULARE SEEDS | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M007 | Rocio Tognacca, presented by Diego Batlla and/or Roberto Benech-Arnold | LIGHT REGULATION OF ALTERNATIVELY SPLICED GENES DURING ARABIDOPSIS THALIANA SEED GERMINATION | Poster | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | none |
| M008 | Satriyas Ilyas | CAUSE OF SEED DORMANCY IN BAMBARA GROUNDNUT (Vigna subterranea (L) Verdc.) AND TREATMENTS TO BREAK THE DORMANCY | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M009 | Gonda Buijs | THE PHYSIOLOGICAL AND MOLECULAR ASPECTS OF THE ARABIDOPSIS THALIANA SEED LIFE SPAN UNDER FIELD CONDITIONS | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M010 | Renato de Castro | PERFORMANCE OF RICINUS COMMUNIS SEEDLINGS UNDER WATER RESTRICTION: POSSIBLE INVOLVEMENT OF OSMOPROTECTIVE MOLECULES, HSPS AND GLUCONEOGENESIS ENZYMES | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M011 | Masoume Amirkhani | HYDROPHILIC SEED COATING TO ENHANCE STAND ESTABLISHMENT UNDER DROUGHT | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M012 | Lynnette M.A. Dirk | AFFINITY-SELECTION PHAGE DISPLAY AND PAIRED-END PHAGE SEQUENCING IDENTIFY A SMALL REPERTOIRE OF CLIENT PROTEINS COMMON TO ORTHOLOGOUS ARABIDOPSIS AND SOYBEAN DEHYDRIN PROTEINS | Poster | Seed Conservation Systems | MONDAY EVENING 5:15 - 7:00 pm | none |
| M013 | Bruce Downie | THE NATURAL PROTECTION AND REPAIR MECHANISM: THE ORCHESTRATION OF SEED VIGOR | Poster | Seed Conservation Systems | MONDAY EVENING 5:15 - 7:00 pm | none |
| M014 | Manuela Nagel | CRYOPRESERVATION AT IPK GATERSLEBEN –IS SEED CRYOSTORAGE NEEDED FOR ORTHODOX SEEDS? | Poster + 1-Minute Presentation | Seed Conservation Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M015 | Maria Laene Carvalho | CRYOPRESERVATION OF COFFEE SEEDS | Poster + 1-Minute Presentation | Seed Conservation Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M016 | Muhammad Amir Bakhtavar | IMPLEMENTING THE DRY CHAIN DURING STORAGE REDUCES LOSSES AND MAINTAINS QUALITY OF WHEAT AND MAIZE SEEDS | Poster + 1-Minute Presentation | Seed Conservation Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M017 | Jan Kodde, presented by Steven Groot | A GLASS JAR WITH EQUILIBRATED SILICA GEL TO STUDY THE ROLE OF OXYGEN IN SEED STORAGE | Poster + 1-Minute Presentation | Seed Conservation Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M018 | Marilyn Belarmino | MORPHOLOGICAL DIVERSITY, SEED CHLOROPHYLL FLUORESCENCE AND SEED QUALITY OF EGUSI WATERMELON (CITRULLUS MUCOSOSPERMUS) COLLECTION | Poster + 1-Minute Presentation | Seed Conservation Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M019 | Leonardo Jo | TRANSCRIPTIONAL REGULATORY NETWORKS CONTROLLING SOYBEAN SEED MATURATION | Poster | Seed Developmental Systems | MONDAY EVENING 5:15 - 7:00 pm | none |
| M020 | Katie Abley | VARIABILITY IN ARABIDOPSIS SEED GERMINATION TIME | Poster + 1-Minute Presentation | Seed Developmental Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M021 | Mohan Niroula | INTERACTIONS OF GENETIC FACTORS AND MATERNAL ENVIRONMENTS DURING SEED DEVELOPMENT INFLUENCE TEMPERATURE SENSITIVITY OF LETTUCE (LACTUCA SATIVA L.) SEED GERMINATION | Poster + 1-Minute Presentation | Seed Developmental Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M022 | Sergei Medvedev | PHOTOCHEMICAL ACTIVITY CHANGES ACCOMPANYING THE EMBRYOGENESIS OF PISUM SATIVUM L. WITH YELLOW AND GREEN COTYLEDONS | Poster + 1-Minute Presentation | Seed Developmental Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M023 | Miguel Ibeas | IRON DISTRIBUTION DURING ARABIDOPSIS THALIANA AND BRASSICA NAPUS DEVELOPMENT SEED | Poster + 1-Minute Presentation | Seed Developmental Systems | MONDAY EVENING 5:15 - 7:00 pm | Monday 9:30am, Cypress Ballroom |
| M024 | Frank Lanfermeijer | AUTOMATED GERMINATION ANALYSIS USING TIME-LAPSE IMAGING AND DEDICATED IMAGE ANALYSIS SOFTWARE | Poster | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | none |
| M025 | Shantel Martinez | IDENTIFICATION OF A LOCUS CORRESPONDING TO A PREHARVEST SPROUTING TOLERANT MUTANT, ERA8, IN WHEAT (TRITICUM AESTIVUM L.) | Poster | Seed Germination and Dormancy Systems | MONDAY EVENING 5:15 - 7:00 pm | none |

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| Poster Number | Presenter | Abstract title | Format | Topic | Poster Session | 1-Min Preview Presentation |
| T001 | Luzimar G. Fernandez, presented by Renato De Castro | PHYSIOLOGICAL AND MOLECULAR CHARACTERIZATION OF ROOTS OF <i>Ricinus communis</i> L. SEEDLINGS EXPOSED TO COMBINED WATER RESTRICTION AND HIGH TEMPERATURE STRESS | Poster | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T002 | Dana MacGregor | APPLYING KNOWLEDGE ABOUT SEED DORMANCY REGULATION IN <i>ARABIDOPSIS THALIANA</i> TO CONTROL <i>ALOPECURUS MYOSUROIDES</i> | Poster | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T003 | Gonda Buijs | A METHOD TO ACCELERATE DORMANCY RELEASE IN <i>ARABIDOPSIS THALIANA</i> THAT MIMICS DRY STORAGE ON THE GENETIC LEVEL | Poster | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T004 | Wenjing Ge | EXAMINING THE FUNCTION OF G1D1-REGULATED GENES | Poster | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T005 | Hao Xu | IDENTIFICATION OF GENE REGULATORY NETWORKS DRIVING CHANGES IN THE BIOMECHANICAL PROPERTIES OF EMBRYO CELLS AND THE SEED TO SEEDLING TRANSITION | Poster | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T006 | Denise Dias | PHYSIOLOGICAL AND BIOCHEMICAL CHANGES IN SUNFLOWER SEEDS UNDER WATER STRESS AND DETERIORATION | Poster | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T007 | Roberto Benesh-Arnold | HORMONAL CHARACTERIZATION OF DORMANCY CYCLING IN <i>POLYGONUM AVICULARE</i> SEEDS | Poster | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T008 | Laura Lopez del Egido | SEED ENHANCING TREATMENTS: COMPARATIVE ANALYSIS OF GERMINATION CHARACTERISTICS OF 23 WILD SPECIES | Poster | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T009 | Elise Serin | GENETIC VARIATION IN THE EFFECT OF SEED MATURATION ENVIRONMENT ON SEED PERFORMANCE | Poster | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T010 | Heqiang Huo | GENE IDENTIFICATION OF THERMOTOLERANT LETTUCE MUTANT BY BULKED SEGREGANT ANALYSIS AND WHOLE GENOME SEQUENCING | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T011 | Nafiseh Geshnizjani | THE INFLUENCE OF MATERNAL ENVIRONMENT ON SEED AND SEEDLING QUALITY TRAITS AND METABOLITE PROFILES OF THE SEEDS IN A RECOMBINANT INBRED LINE POPULATION OF TOMATO | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T012 | Diego Battla | INTRASPECIFIC VARIABILITY AND MATERNAL ENVIRONMENT EFFECTS ON SUNFLOWER (<i>Helianthus annuus</i>) DORMANCY TRAITS | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T013 | David Still | GENETIC AND ENVIRONMENTAL CONTRIBUTIONS TO THE EXPRESSION OF SEED GERMINATION UNDER STRESS | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T014 | Chae Sun Na | EFFECTS OF HEAT SHOCK ON GERMINATION, PLANT HORMONES AND GLYCEROPHOSPHOLIPIIDS OF <i>PINUS DENSIFLORA</i> SEEDS | Poster + 1-Minute Presentation | Seed Germination and Dormancy Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T015 | Julie Beckstead | EVIDENCE FOR ANTAGONISTIC INTERACTIONS BETWEEN FUNGAL PATHOGENS CAUSING SEED DEATH OF INVASIVE AND NATIVE GRASS SPECIES | Poster | Seed Microbial Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T016 | Anne Pollard | BIOCHEMICAL AND MOLECULAR REGULATION OF DEFENSE RESPONSES TO A PATHOGENIC SOIL FUNGUS IN DORMANT SEEDS | Poster | Seed Microbial Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T017 | Bin Wen | HIGH-TEMPERATURE ADAPTATION IN TROPICAL PLANT SEEDS | Poster | Seed Ecological Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T018 | Dongfang Zhou | THE PRODUCTION AND FUNCTION OF MUCILAGE BY SWEET BASIL (<i>OCIMUM BASILICUM</i> L.) SEEDS | Poster | Seed Ecological Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T019 | Gregory Welbaum | EFFECTS OF BORON FERTILIZATION ON PEANUT SEED GERMINATION TESTED IN A LAB FIELD TABLE | Poster + 1-Minute Presentation | Seed Ecological Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T020 | Robert Geneve | MORPHOPHYSIOLOGICAL SEED DORMANCY IN <i>HEPTACODIUM</i> | Poster + 1-Minute Presentation | Seed Ecological Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T021 | Steven Groot | VARIATION IN RICE SEED LONGEVITY UNDER DRY STORAGE CONDITIONS | Poster | Seed Conservation Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T022 | Boby Varghese | THE EFFECTS OF CATHODIC INVIGORATION OF FIELD CURED AND STORED RICE SEEDS ON PLANT ESTABLISHMENT AND GROWTH IN THREE RICE SPECIES | Poster + 1-Minute Presentation | Seed Conservation Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T023 | Norman Pammenter | IMPACTS OF DELAYED FIELD CURING OF RICE IN A TROPICAL ENVIRONMENT ON RICE SEED QUALITY | Poster + 1-Minute Presentation | Seed Conservation Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T024 | Sebastian Blunk | THE EFFECT OF SEED ENHANCEMENT TECHNOLOGIES ON THE GERMINATION OF SUGAR BEET QUANTIFIED BY X-RAY COMPUTED TOMOGRAPHY | Poster | Seed Scanning Systems | TUESDAY EVENING 5:15 - 7:00 pm | none |
| T025 | Francoise Corbineau | ACTIVITIES OF THE ISTA SEED SCIENCE ADVISORY GROUP TOWARDS SEED TEST DEVELOPMENT | Poster + 1-Minute Presentation | Seed Scanning Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T026 | Francisco Guilhien Gomes-Ju | MAGNETIC RESONANCE IMAGING FOR SOYBEAN SEED EVALUATION | Poster + 1-Minute Presentation | Seed Scanning Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T027 | M. Laene Carvalho | IMAGE ANALYSIS AND VIGOR OF TOBACCO SEEDS | Poster + 1-Minute Presentation | Seed Scanning Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |
| T028 | Yong Ho Lee | LIPID PROFILING OF FIVE CONIFER SEEDS USING MALDI-TOF MS SPECTROMETRY | Poster + 1-Minute Presentation | Seed Scanning Systems | TUESDAY EVENING 5:15 - 7:00 pm | Tuesday 9:30am, Cypress Ballroom |