

**Poster Session 4: Animal, Human Biobehavioral, and Molecular/Basic Science**

**3:30 p.m. - 5:15 p.m. Presenters set up posters**

**5:15 p.m. - 6:45 p.m. Poster Session 4, presenters available at their poster**

**6:45 p.m. - 8:00 p.m. Presenters remove posters**

POS4-1: BRIEF NICOTINE EXPOSURE DURING ADOLESCENCE ALTERS DOPAMINE-MEDIATED BEHAVIORS

POS4-2: NEUROBIOLOGICAL AND BEHAVIOURAL RESPONSES TO NICOTINE AND INESCAPABLE STRESS

POS4-3: THE INFLUENCE OF AGE AND THE TOBACCO SMOKE CONSTITUENT, NORHARMANE ON THE REINFORCING VALUE OF NICOTINE

POS4-4: EFFECTS OF REDUCING THE UNIT DOSE FOR NICOTINE SELF-ADMINISTRATION ON INTRACRANIAL SELF-STIMULATION THRESHOLDS IN RATS

POS4-5: USE OF A RODENT CIGARETTE SMOKE EXPOSURE MODEL TO STUDY THE PHARMACOKINETIC EFFECTS OF VACCINATION AGAINST NICOTINE

POS4-6: EFFECTS OF RESTRAINT STRESS ON NICOTINE-INDUCED LOCOMOTOR SENSITIZATION IN RATS

POS4-7: A ROLE FOR CORTICOTHALAMIC NICOTINIC RECEPTORS IN SENSORY GATING MECHANISMS

POS4-8: CHARACTERIZATION OF THE EFFECTS OF ACUTE NICOTINE AND NICOTINE WITHDRAWAL ON CONTEXTUAL FEAR CONDITIONING IN EIGHT INBRED MOUSE STRAINS

POS4-9: NEURAL CIRCUITS MEDIATING THE EFFECTS OF NICOTINE ON INHIBITORY BEHAVIOR

POS4-10: NICOTINE, OPEN FIELD BEHAVIOR AND ENDOCRINE ACTIVITY IN THE MALE ADOLESCENT SYRIAN HAMSTER

POS4-11: EFFECTS OF REPEATED ACUTE ALCOHOL INJECTIONS AFTER CESSATION OF NICOTINE IN RATS

POS4-12: PROGRAMMED TRANSDERMAL DELIVERY OF ADDICTIVE SUBSTANCES THROUGH VOLTAGE GATED CARBON NANOTUBE MEMBRANES

POS4-13: BETA3-CONTAINING NICOTINIC ACETYLCHOLINE RECEPTORS REGULATE THE STIMULATORY EFFECTS OF NICOTINE BUT NOT COCAINE ON BRAIN REWARD SYSTEMS: EVIDENCE FROM GENETICALLY MODIFIED MICE

POS4-14: PKC EPSILON NULL MICE HAVE ALTERED ACUTE NICOTINE PHENOTYPES AND DECREASED VOLUNTARY NICOTINE ORAL CONSUMPTION AND NICOTINE PREFERENCE

POS4-15: HISTAMINE H1 RECEPTOR ANTAGONISM AS A STRATEGY TO BLOCK NICOTINE SELF-ADMINISTRATION

POS4-16: CHRONIC NICOTINE INDUCES RAT BRAIN CYP2B ENZYME ALTERING PROPOFOL-INDUCED SEDATION

POS4-17: NICOTINE FACILITATES THE CONSOLIDATION OF REMOTE CONTEXTUAL MEMORY

POS4-18: EFFECTS OF BUPROPION ON THE PRIMARY REINFORCEMENT AND REINFORCEMENT ENHANCING EFFECTS OF NICOTINE

POS4-19: THE NICOTINIC LIGAND AMOP-H-OH ('SAZETIDINE-A') HAS LONG LASTING ANTIDEPRESSANT-LIKE AND ANALGESIC ACTIVITY IN RODENT MODELS.

POS4-20: GESTATIONAL NICOTINE ALTERS ADOLESCENT STRESS-SENSITIVE RESPONSES TO COCAINE

POS4-21: THE NICOTINIC ACETYLCHOLINE RECEPTOR ALPHA5 SUBUNIT PLAYS A CENTRAL ROLE IN ATTENTION

POS4-22: VALIDATION OF A NEW ANIMAL MODEL OF SECOND-HAND NICOTINE EXPOSURE AND NICOTINE DEPENDENCE.

POS4-23: DOPAMINERGIC ALPHA4 CONTAINING NICOTINIC RECEPTORS ARE INVOLVED IN NICOTINE REWARD.

POS4-24: VARENICLINE DOSE-DEPENDENTLY ENHANCES RESPONDING FOR NON-PHARMACOLOGICAL REINFORCERS AND ATTENUATES THE REINFORCEMENT-ENHANCING EFFECTS OF NICOTINE

POS4-25: THE SPECIFIC PATTERN OF DOPAMINERGIC SIGNALING MEDIATES THE AVERSIVE MOTIVATIONAL RESPONSE TO NICOTINE WITHDRAWAL

POS4-26: NICOTINIC PARTIAL AGONISTS AND CREB: INSIGHTS INTO THERAPEUTICS FOR AFFECTIVE DISORDERS AND NICOTINE ADDICTION.

POS4-27: SELF-ADMINISTRATION OF THE TOBACCO CONSTITUENTS NORHARMAN AND NICOTINE ALONE AND IN COMBINATION

POS4-29: THE ASSOCIATION BETWEEN LEVEL OF EDUCATION AND PERCEIVED SOCIAL SUPPORT FOR SMOKING CESSATION IN FEMALE SMOKERS

POS4-30: TOBACCO INDUSTRY MANIPULATION MESSAGES IN ANTI-SMOKING PSAS: EFFECT OF EXPLICIT VERSUS IMPLICITLY DELIVERED MESSAGES

POS4-31: HIGHER AND EARLIER NICOTINE PEAK IN SMOKERS WITH SCHIZOPHRENIA

POS4-32: CROSS-SECTIONAL ASSESSMENT OF DELAY DISCOUNTING IN SCHIZOPHRENIA: EFFECTS OF TOBACCO SMOKING STATUS

POS4-33: GENOMEWIDE ASSOCIATION STUDY OF DSM-IV NICOTINE WITHDRAWAL

POS4-34: PHARMACOLOGY VERSUS EXPECTANCY FACTORS IN SMOKERS' SUBJECTIVE RESPONSES TO NICOTINE AND PLACEBO INHALERS

POS4-35: HUMAN SENSORY PERCEPTIONS AND SMOKE MACHINE YIELDS OF CIGARETTES DESIGNED TO HIDE SECONDHAND SMOKE SMELL

POS4-36: PRETREATMENT CRAVING AND CUE REACTIVITY AS PREDICTORS OF SMOKING TOPOGRAPHY

POS4-37: THE EFFECT OF VARENICLINE ON SMOKING REINFORCEMENT

POS4-38: A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL OF VARENICLINE: CUE-REACTIVITY IN INDIVIDUALS WITH CONCURRENT TOBACCO DEPENDENCE AND HEAVY ALCOHOL USE

POS4-39: THE REASONS THAT ACTORS SMOKE IN MOVIES MATTER TO ADOLESCENTS: A PRELIMINARY INVESTIGATION

POS4-40: SERUM COTININE LEVELS AMONG AFRICAN AMERICANS AND WHITES BY TYPE OF CIGARETTES SMOKED

POS4-41: PERCEIVED HARMS OF CIGARETTE SMOKING AMONG HOMELESS PERSONS

POS4-43: WATERPIPE TOBACCO SMOKING AND CIGARETTE SMOKING: A DIRECT COMPARISON OF SUBJECTIVE EFFECTS

POS4-44: CHANGES IN BIOMARKERS OF EXPOSURE IN SMOKERS SWITCHED TO LOW IGNITION PROPENSITY CIGARETTES

POS4-45: ACUTE EFFECTS OF "ELECTRONIC CIGARETTES"

POS4-46: ACUTE EFFECTS OF WATERPIPE TOBACCO SMOKING: A DOUBLE-BLIND, PLACEBO CONTROL STUDY

POS4-47: DISCREPANCY BETWEEN A PSYCHOPHYSIOLOGICAL INDEX OF EMOTIONAL REACTIVITY AND SELF-REPORT MEASURES OF AFFECT AMONG ABSTAINING AND NON-ABSTAINING SMOKERS

POS4-48: IMPACT OF PSYCHOLOGICAL MOTIVES FOR SMOKING ON DAYS TO RELAPSE IN WOMEN

POS4-49: DELAYED REWARD DISCOUNTING IN SMOKERS AND INDIVIDUALS WITH OTHER ADDICTIVE DISORDERS: A META-ANALYSIS

POS4-50: EXPECTANCY PROCESSES IN THE COGNITIVE AND SUBJECTIVE EFFECTS OF NICOTINE

POS4-51: THE SUBJECTIVE IMPORTANCE OF SMOKING SURVEY (SIMS)

POS4-52: BRIEF BUPRENORPHINE INDUCTION AND TAPER DOES NOT PROMOTE INCREASED CIGARETTE SMOKING AS MEASURED BY URINARY COTININE

POS4-53: TOBACCO DEMAND AND DELAYED REWARD DISCOUNTING IN NICOTINE DEPENDENT INDIVIDUALS WITH SERIOUS MENTAL ILLNESS AND CONTROLS

POS4-54: ATTENTIONAL BIAS ACROSS ADDICTIONS: A CROSS-PRIMED STROOP TASK

POS4-55: EFFECTS OF EXHALATION DURATION ON BREATH CARBON MONOXIDE OUTPUT: IMPLICATIONS FOR SMOKING CESSATION AND LABORATORY RESEARCH

POS4-56: THE EFFECTS OF STEADY-STATE BUPROPION ON ATTENTION AND INHIBITORY CONTROL IN TREATMENT-SEEKING SMOKERS

POS4-57: SMOKING ABSTINENCE AND IMPULSIVE BEHAVIOR: A MULTI-PROCESS MODEL

POS4-58: A LONGITUDINAL STUDY TO TRACK CHANGES IN SMOKING BEHAVIOUR OF SMOKERS OF 10MG ISO TAR CIGARETTES IN GERMANY

POS4-59: PRELIMINARY ADAPTATION OF A PRELOAD TASTE-TEST PARADIGM FOR SMOKERS

POS4-60: NICOTINE AND FOOD DEPRIVATION DECREASE THE ABILITY TO RESIST SMOKING

POS4-61: COMPARISON OF BREATH CARBON MONOXIDE, SEMI-QUANTITATIVE COTININE ASSAYS, AND LCMSMS ANALYSIS OF NICOTINE AND METABOLITES IN URINE AND ORAL FLUID (SALIVA) IN SMOKERS AND NONSMOKERS

POS4-62: EFFECT OF STRESS AND BUPROPION ON CRAVING, WITHDRAWAL SYMPTOMS AND MOOD IN SMOKERS

POS4-63: EFFECT OF VARENICLINE VS. PLACEBO ON REACTIVITY TO TOBACCO AND ALCOHOL CUES IN SMOKERS WHO ARE LIGHT DRINKERS

POS4-64: ASSOCIATIONS BETWEEN PAIN AND SMOKING STATUS AMONG CANCER PATIENTS

POS4-65: EFFECT OF SINGLE USE OF ELECTRONIC CIGARETTE (E-CIGARETTE) ON SMOKING TOPOGRAPHY AMONG REGULAR SMOKERS

POS4-67: EFFECTS OF EXPECTANCIES AND COPING ON PAIN-INDUCED MOTIVATION TO SMOKE

POS4-68: EFFECTS OF NICOTINE WITHDRAWAL ON THE BRAIN RESPONSE TO A VERBAL WORKING MEMORY CHALLENGE

POS4-70: SMOKING AND THE IOWA GAMBLING TASK: ARE SMOKERS POOR LEARNERS IN A TASK INVOLVING MONETARY REWARD?

POS4-71: SALIENCE EVALUATION OF CIGARETTE STIMULI IN SMOKERS AND NON-SMOKERS

POS4-72: CUE-INDUCED AND ABSTINENCE-INDUCED CRAVING IS ASSOCIATED WITH NICOTINE DEPENDENCE AMONG WOMEN BUT NOT MEN

POS4-73: SALIVARY COTININE SAMPLING AMONG HABITUAL CIGARETTE SMOKERS AND CHIPPERS: CAN NICALERT COTININE TEST STRIPS DETECT ACUTE NICOTINE TRANSDERMAL ADMINISTRATION AND NICOTINE ABSTINENCE?

POS4-74: EFFECT OF SMOKING TOPOGRAPHY ON EXPOSURE TO CARBON MONOXIDE AMONG REGULAR SMOKERS

POS4-75: EMOTION REGULATION STRATEGIES AND CIGARETTE SMOKING

POS4-76: RELATIONSHIP BETWEEN SMOKERS' CRAVING AND AFFECT IN CUE REACTIVITY

POS4-77: IMPULSIVITY IN SMOKERS WITH AND WITHOUT A HISTORY OF SUBSTANCE USE DISORDER

POS4-78: COGNITIVE CONFLICT FOLLOWING APPETITIVE VERSUS NEGATIVE CUES PREDICTS SMOKING CESSATION FAILURE

POS4-79: PATTERNS OF CONSUMPTION OF SMOKELESS TOBACCO AND NICOTINE REPLACEMENT PRODUCTS AS ALTERNATIVES TO CIGARETTES

POS4-80: SMOKING TOPOGRAPHY INSIDE AND OUTSIDE THE LABORATORY

POS4-81: EVALUATING ACUTE TOBACCO REACTIVITY AS A PHENOTYPIC MARKER OF DEPENDENCE: PREDICTING WITHDRAWAL AND RELAPSE

POS4-82: RELATIONSHIP BETWEEN RESPIRATORY FUNCTION, BLOOD PRESSURE, HEART RATE AND SMOKING TOPOGRAPHY

POS4-83: SMOKING WITHDRAWAL IS ASSOCIATED WITH INCREASES IN BRAIN ACTIVATION DURING DECISION MAKING AND REWARD ANTICIPATION

POS4-84: EFFECTS OF 24-HOURS OF TOBACCO WITHDRAWAL AND SUBSEQUENT TOBACCO SMOKING IN MALE AND FEMALE SMOKERS

POS4-85: SMOKER SELF-IDENTIFICATION AMONG DAILY AND NON-DAILY SMOKERS

POS4-86: TECHNICAL APPROACHES AND CHALLENGES TO IDENTIFICATION OF PUFF-ASSOCIATED INHALATIONS IN LABORATORY AND AD LIB SMOKING.

POS4-87: DEEP BRAIN STIMULATION OF THE VENTRAL CAPSULE/VENTRAL STRIATUM AND EXPERIENCED REWARD IN TWO DEPRESSED SMOKERS

POS4-88: MOUTH LEVEL NICOTINE AND URINARY METABOLITES AMONGST SMOKERS OF CIGARETTES IN DIFFERENT YIELD CATEGORIES

POS4-89: EFFECTS OF LOW DOSE NICOTINE ADMINISTRATION AND NICOTINE ABSTINENCE ON STRESS-INDUCED CARDIOVASCULAR REACTIVITY IN A SAMPLE OF CHIPPERS

POS4-90: RELATIONSHIPS BETWEEN INHALATION AND PUFF VARIABLES ON TOBACCO SMOKE EXPOSURE

POS4-91: PRENATAL EXPOSURE TO MATERNAL CIGARETTE SMOKING INTERACTS WITH A POLYMORPHISM IN THE  $\alpha 6$  NICOTINIC ACETYLCHOLINE RECEPTOR GENE TO INFLUENCE DRUG USE AND STRIATUM VOLUME IN ADOLESCENCE

POS4-92: THE EFFECTS OF SWEDISH SNUS ON CIGARETTE CRAVING AND SELF-ADMINISTRATION IN DAILY SMOKERS

POS4-93: CUE-REACTIVITY IN THE NATURAL ENVIRONMENT OF CIGARETTE SMOKERS: A COMPARISON OF PHOTOGRAPHIC AND IN VIVO SMOKING STIMULI

POS4-94: INDEPENDENT AND COMBINED EFFECTS OF ALCOHOL AND NICOTINE ON MOOD

POS4-95: STRESS EXPOSURE IN ADOLESCENTS DIFFERENTIALLY ALTERS RISK-TAKING IN ABSTINENT AND NON-ABSTINENT SMOKERS AND IMPULSIVITY IN SMOKERS AND NON-SMOKERS

POS4-96: ARE THERE AGE-DEPENDENT DIFFERENCES IN THE MECHANISMS THAT MEDIATE NICOTINE DEPENDENCE?

POS4-98: IN VIVO AND IN VITRO NICOTINE METABOLISM AND COTININE FORMATION IN ZEBRA FINCHES

POS4-99: RACIAL AND GENDER DIFFERENCES IN TOTAL NICOTINE METABOLITES IN SMOKERS URINE.

POS4-100: THE NEUREXIN-1 GENE AND TOBACCO DEPENDENCE: ASSOCIATION WITH EARLY AGE-AT-ONSET AND PREVIOUS QUIT ATTEMPTS

POS4-101: ASSOCIATION BETWEEN NICOTINIC ACETYLCHOLINE RECEPTORS AND NICOTINE INTAKE

POS4-102: EFFECT OF NICOTINE ON HYPEREXCITABILITY OF COLONIC SENSORY NEURONS IN MICE MODEL OF ULCERATIVE COLITIS

POS4-103: GESTATIONAL NICOTINE EXPOSURE MODIFIES MYELIN-RELATED GENE EXPRESSION IN ADOLESCENT RAT BRAIN IN A SEX-DEPENDENT WAY

POS4-104: UTILITY OF BIOMARKERS OF SMOKING IN AFRICAN AMERICAN LIGHT SMOKERS

POS4-105: RELATIVE SENSITIVITY OF MULTIPLE NACHR SUBTYPES FOR NICOTINE AND VARENICLINE

POS4-106: NICOTINIC RECEPTOR UP-REGULATION BY NICOTINIC AGONISTS AND TNF-ALPHA

POS4-107: WHY DOES VARENICLINE, AN A4B2 NICOTINIC ACETYLCHOLINE RECEPTOR PARTIAL AGONIST, DECREASE ALCOHOL CONSUMPTION?