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Acker Wood Intellectual Property Law
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INTELLECTUAL PROPERTY EXPERIENCE:

Client counseling and transactional work including confidentiality agreements, material transfer agreements and license agreements; trademarks; copyrights; preparing and prosecuting United States and international patent applications; providing patentability, infringement and freedom to operate opinions; and conducting due diligence analyses.

EXEMPLARY TECHNOLOGIES AND SUBJECT MATTER EXPERIENCE:

Biotechnology/Biomedical/Pharmaceutical/Nutritional Science

- tricyclic compounds having cytostatic and/or cytotoxic activity
- methods of preparation and resolution of E/Z isomers of vinylfuro(2,3-D) pyrimidine
- sequence motifs for use as linkers of specific hetero- and homo-dimeric protein structures
- self-assembled proteins and related methods
- squamous cell carcinoma receptor antisense RNA transcription
- inhibition of human squamous cell carcinoma growth *in vivo* by epidermal growth factors
- multifactorial assay for early ovarian cancer detection
- diagnostic multimarker serological profiling
- enhanced diagnostic multimarker serological profiling
- method and composition for diagnosing pancreatic cancer
- breast cancer assay
- opioid growth factor formulations and combinatorial therapies for the treatment of neoplasias
- organic anion transport polypeptide related protein-4 gene in tourette syndrome and related disorders
- antiviral compositions useful in the treatment of HIV and other viral infections
- methods and products for peptide-based DNA sequence identification and analysis
- plag genes and tumorigenesis
- cathepsin k and breast cancer
- staphylokinase derivatives
- genetic modifications of trehalose-6-phosphate synthase and expression in homologous or heterologous environments
- peptide fragments of microbial stress proteins and pharmaceutical compositions for the treatment and prevention of inflammatory diseases
- methods and compounds for disruption of CD40R/CD40L signaling to treat Alzheimer's disease
- isolated and recombinant antimicrobial peptides thrombocidin-1 and thrombocidin-2
- use of genes involved in tumor development for the development of anti-cancer drugs and diagnosis of cancerinfluenza vaccines
- anti-angiogenic and anti-tumoral properties of beta and gamma secretase inhibitors
- methods for reducing amyloid deposition, amyloid neurotoxicity and microgliosis

- pluripotent embryonic stem cell lines, their use for germ line transmission, and for the generation of genetically modified animals
- nucleic acid promoters
- recognition molecules interacting specifically with target molecule active sites
- chemotaxis-inhibiting proteins of staphylococcus chips
- serine peptidase modulators
- antimicrobial peptides derived from ubiquitin
- modulation of cell intrinsic strain to control matrix synthesis, secretion, organization and remodeling
- nuclear targeting sequence
- methods and systems for systemic delivery of growth arresting, lipid-derived bioactive compounds
- methods for treating lung diseases associated with ventilation-perfusion mismatches
- gas contact ultrasound germicides and therapeutic treatments
- prostate hypertrophy treatment compositions
- methods for inducing satiety for weight loss and weight maintenance

Chemical/Material Science/Crop Science

- compounded resin compositions for high temperature liners
- non-volatile condensation cure silicone lubricants
- cross-linked organometallic polymers suitable for production of ceramic composites
- vinyl addition polycyclic olefin polymers prepared with non-olefinic chain transfer agents
- cast superalloy components
- methods for producing SiC composite materials
- methods for preparing orthosilicic acid
- adhesive based on biodegradable acrylates
- dissolution rate modifiers for photoresistant compositions
- photosensitive compositions based on polycyclic polymers
- mixtures of triazine derivatives free from polyalkylene oxide
- methods of sterilizing butyl rubber/styrene-butadiene elastomeric sealing articles
- scoring poses using nuclear magnetic resonance
- methods for applying TaOx film to titanium nitride surfaces
- quantum mechanics-based methods for scoring protein-ligand interactions
- improved neutron absorber material with refractory metal and discrete absorber
- electrochemical gas sensors
- tungsten carbide-cobalt/chromium carbide cutting metal alloys
- high performance microcellular foams and manufacturing methods
- transgenic amorpho-4, 11-diene synthesis
- synthesis of organic fluorescent core silica shell nanocomposites
- methods and compositions for natural grain leathers
- downy mildew resistance lettuce variety
- methods for conveying BNYVV gene resistance to sugar beet plants
- use of solid-phase buffers to improve plant cultivation

Biomechanical/Mechanical

- cannulated hemi-implant and methods of use
- subtalar implant and methods of use

- prosthetic revision knee system
- methods and compositions for fiberglass artificial geological rock formations
- hand held laser wound scanner
- golf car bumper apparatus
- leg pillow with single clasp
- athletic hydration system for bicyclists

EMPLOYMENT HISTORY

Thompson Hine, LLP, Cleveland, Ohio, **Intellectual Property** Associate Patent Attorney, 2008-2010

Eckert Seamans Cherin & Mellott, LLC, Pittsburgh, PA, **Intellectual Property** Associate Patent Attorney, 2006-2008

The Webb Law Firm, Pittsburgh, PA, **Intellectual Property** Associate Patent Attorney; Law Clerk, 2001-2006

EDUCATION

J.D.	Duquesne University School of Law ; Pittsburgh, PA; 2002
Ph.D.	New York University; Biology ; Dissertation: “Neuromodulation by ACTH Peptides of Motor Activity and Neuromuscular Responses in the Developing Rat,” 1984
M.S.	New York University; Biology ; Thesis Title: “The Use of Cell Culture of Fredrickson Myelo-Monoblastic Viral Cells to yield Rauscher Leukemia Virus-Anemic Type,” 1981
B.S.	New York University; Biology , 1979

BAR ADMISSIONS

Ohio, 2009, Registration No.: 84508

Pennsylvania, 2002, Registration No.: 89,081

United States Patent and Trademark Office, 2002, Registration No.: 51,027

PROFESSIONAL ASSOCIATIONS AND MEMBERSHIPS

Allegheny County Bar Association
 Pennsylvania Intellectual Property Law Association

FELLOWSHIPS/AWARDS

NIH Postdoctoral Fellowship, 1984-1986

NIMH Postdoctoral Fellowship, 1992-1994

TEACHING EXPERIENCE

Graduate Courses

Advanced Pathophysiology. Department of Nursing, Duquesne University, Spring, 1995; Spring, 1996.

Psychoneuroimmunology. Department of Immunopathology and Psychology. University of Pittsburgh School of Medicine, Fall, 1992.

Advanced Pathophysiology. Division of Nursing, School of Education, Health, Nursing and the Arts Professions, New York University. Spring, 1992.

Nutrition and Weight Control. Department of Nutrition and Home Economics, New York University. Spring, 1988.

Nutritional Biochemistry. Department of Nutrition and Home Economics, New York University. Fall, 1987.

Undergraduate Courses

General Biology. Department of Natural and Biological Sciences, Duquesne University. Spring, 1998-1999.

Concepts and Controversies in Nutrition. Department of Quantitative and Natural Sciences, Robert Morris College. Fall, 1998.

Nutritional Science. Department of Biology, LaRoche College, Fall, 1995.

Core Biology. Department of Natural and Biological Sciences, Duquesne University. Fall, 1994-1999.

Environmental Science. General Studies Program, New York University. Fall, 1988- Spring, 1990.

Life Sciences. General Studies Program, New York University. Fall, 1988-1992. University. Fall, 1987.

PUBLICATIONS

Article: *The KSR Decision and Its Impact on Biotech Patents*, The Legal Intelligencer; Pennsylvania Law Weekly, Intellectual Property Supplement, October, 2007

Saint-Come, Claude, Gwendolyn R. Acker and Fleur L. Strand. Peptide influences on the development and regeneration of motor performance. *Peptides*, 3: 439-449, 1982.

Acker, Gwendolyn R., Ruth Frischer and Fleur L. Strand. ACTH peptide neuromodulation in the developing mammalian neuromuscular system seen through three different perspectives. *Ann. N.Y. Acad. Sciences*, 435: 370-375, 1984.

Acker, Gwendolyn R., Joanne Berran and Fleur L. Strand. ACTH neuromodulation of the developing motor system and neonatal learning in the rat. *Peptides*, 6: 41-49, 1985.

Acker, Gwendolyn, R., Christopher J. Molineaux and Marian Orłowski. Synaptosomal membrane-bound form of endopeptidase-24.15 generates leu-enkephalin from dynorphin (1-8), alpha- and β -neoendorphin and met-enkephalin from met-enkephalin-Arg(6)-Gly(7)-Leu(8). *J. Neurochem.*, 48: 284-292, 1987.

Moyna, NM, Acker, GR, Weber, KM, Fulton, JR, Robertson, RJ, Goss, FL, and Rabin, BS. Exercise-induced alterations in natural killer cell number and function. *Eur. J. Appl. Physiol. (Germany)*, 1996, 74(3): 227-233.

Moyna, NM, Acker, GR, Fulton, JR, Weber, KM, Goss, FL, Robertson, RJ, Tollerud, DJ, and Rabin, BS. Lymphocyte function and cytokine production during incremental exercise in active and sedentary males and females. *Int. J. Sports Med. (Germany)*, 1996, 17(8): 585-591.

Moyna, NM, Acker, GR, Weber, KM, Fulton, JR, Robertson, RJ, Goss, FL, Robertson, RJ, and Rabin, BS. The effects of incremental submaximal exercise on circulatory leukocytes in physically active and sedentary males and females. *Eur. J. Appl. Physiol. (Germany)*, 1996, 74(3): 211-218.