

CURRICULUM VITAE

Donna Wielbo, M.Sc., Ph.D., M.I.Biol., C.Biol.

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CONTACT INFORMATION

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ACADEMIC QUALIFICATIONS

B.Sc. (Honors) in Microbiology, University of Aberdeen, Scotland, 1981-1985.
M.Sc. in Forensic Science, University of Strathclyde, Glasgow, Scotland, 1985-1986.
Ph.D. in Pharmacy, University of Illinois at Chicago, Chicago, USA, 1988-1991.

EMPLOYMENT

December 2003 – present. Research Associate Professor, Director of Online Forensic Science Graduate Programs, Department of Medicinal Chemistry, College of Pharmacy, University of Florida, Gainesville, FL., USA.

Responsibilities

To develop and maintain online certificate and MS degree programs in forensic disciplines including forensic toxicology, forensic drug chemistry, forensic science, and forensic serology and DNA. To provide lecture content and materials as necessary for all online programs but specifically the programs relating to forensic DNA and serology, and forensic science; to provide academic guidance to the students within each program and to address program issues and inquiries. Assist in the development and implementation of program policies. Act as liaison between students and UF faculty and all teaching assistants. Teaching responsibilities include full time instructor for 11 courses in the MS Degree programs in forensic serology and DNA and Forensic science, and assists when required in all other courses. Coordinator for program TA's. Assist with marketing and promotional efforts, nationally and internationally; liaison for international programs and collaborations. Duties also include compiling and conducting final MS degree written and oral examinations in the MS programs.

June 2003 – November 2003, Acting Director of Training and Education, National Forensic Science Technology Center, Largo, FL. USA

September 2002 – June 2003, Deputy Director of Training and Education National Forensic Science Technology Center

November 2002 - present, Lecturer and Instructor of Record for MS degree in Forensic Serology and DNA, Department of Continuing Education, University of Florida; Adjunct Associate Professor, Department of Medicinal Chemistry, University of Florida

Responsibilities

Direct the planning, development and implementation of training workshops and academies for forensic and crime laboratory personnel; Direction and coordination of technology based training packages and materials; Direction and coordination of undergraduate and graduate courses in Forensic Sciences for the University of South Florida and the University of Florida; Responsible for the preparation of traditional and online teaching materials; Instructor for undergraduate and graduate level courses in Forensic Science, Biological Evidence and Serology, Structure and Function of Nucleotides, and Blood Spatter and Distribution; Supervision of Training and Education group personnel

January 2002 – September 2002, Deputy Director of Scientific and Technical Services – National Forensic Science Technology Center

October 2000 - January 2002, Curriculum Designer - National Forensic Science Technology Center

October 1999 – November 2002, Program Coordinator – Distance Education in Forensic Science and Toxicology.

Responsibilities:

Coordination, development and assessment for quality samples, and validation and competency kits. Development of multi-media training materials for crime lab personnel; Coordination and provision of online classes for exam preparation for national crime labs; Teaching in DNA academy classes; supervision of NFSTC laboratory personnel.

Information specialist and coordinator of web-based distance education courses in forensic and general toxicology. This involves facilitating the development of Certificate and MS programs in forensic toxicology at the University of Florida. Daily tasks include: Web site and course development and coordination; lecture and module preparation; case study construction; instructional animation development; development of testing and evaluation procedures using WebCT and appropriate software programs; directing program advertisement, and program liaison between students, faculty and University of Florida administration including continuing education and instructional resource personnel.

Dec 1997- October 1999, Senior Research Scientist, Gene Discovery Group, CuraGen Corporation.

Courtesy Assistant Professor, Department of Medicinal Chemistry and the Interdisciplinary Center for Biotechnology Research, University of Florida.

Responsibilities: Information specialist and pharmacologist for Gene Discovery and pharmacogenomics; development and implementation of the in vivo pharmacogenomics program at the Florida facility; the development of QC procedures for drug preparation; conducting data analyses and interpretation of differential gene expression related to ovarian cancer and multidrug resistance as part of the NIH Cancer Genome Anatomy Project (CGAP), and interpretation of differential gene expression for specific organ toxicity for a wide range of pharmaceutical agents as part of the pharmacogenomics program; the development of drug information and general pharmacology databases for company-wide use; member of gene assembly and data analysis group in Full Length Cloning section.

August 1996-Jan 1998, Assistant Professor, Department of Medicinal Chemistry, University of Florida,

July 1994-August 1996, Assistant Professor, Department of Pharmaceutics, University of Florida.

Research Interests:

1. Antisense inhibition of hypertension in rat models of hypertension.
2. The development of delivery systems for antisense oligodeoxynucleotides to specific tissue and organ systems.
3. The design of antisense oligonucleotides for use as scientific tools in biological systems

Jan 1993 - June 1994, American Heart Association Post Doctoral Research Associate, Department of Physiology, University of Florida.

Research interests: Antisense inhibition of angiotensinogen and elucidation of its role in the development of essential hypertension

May 1992 - Dec. 1992 Research Associate, Department of Pediatrics/Neonatology, University of Illinois at Chicago.

Coordinated HPLC and GC-MS analytical method development and analysis of biological samples for drugs and metabolites associated with research projects within the department of pediatrics. Studies involved the transplacental effects of cocaine and its metabolites on the hemodynamics of the mother and fetus of a baboon animal model

1991-1992 Assistant Director, ACCU-Lab Medical Testing Inc.

Responsibilities: Supervised day to day operations of a forensic drug testing laboratory involving immunoassay and GC-MS procedures; responsible for the implementation of QA/QC checks, the development of standard operating procedures and laboratory policy concerning analytical techniques; responsible for training laboratory personnel

1988-1991 Teaching Assistant and Doctorate Student, Department of Pharmacodynamics, University of Illinois at Chicago, Chicago, IL.

Principle research area - The Use of Fourier Transform Infrared Spectroscopy in the Analysis of Particulate Matter.

1986 -1988 Scientific Officer, Home Office Forensic Science Laboratory, Huntingdon, England.

Responsibilities: Examination and processing of biological cases involving; blood, semen and trace evidence; Assisted at crime scenes and attended court; taught courses in hair and fiber evidence in relation to sexual offenses to Police officers; supervised Masters research students and carried out research concerning the identification of the enzyme Alpha-Amylase in biological fluids.

OTHER TEACHING EXPERIENCE

Teaching Assistant in trace evidence examination and chemical microscopy, Dept. of Criminal Justice, University of Illinois, 1988.

Teaching assistant Nursing Pharmacology, Dept. of Pharmacodynamics, University of Illinois, 1990.

Lecturer in fiber examination, trace evidence and hemodynamics and blood spatter distribution, University of Illinois, 1989-1990.

Lecturer and course coordinator, Graduate level Trace Evidence, Department of Pharmacodynamics, University of Illinois, 1991.

Undergraduate and graduate level Pharmaceutics II - Drug Delivery and Formulation. University of Florida, Spring, 1995, 1996, 1997.

Graduate level Pharmaceutical Biotechnology, University of Florida, Fall, 1996.

Lecturer in undergraduate Physiological Basis of Disease (Cancer) (PHA3111), University of Florida, Fall, 1997.

PROFESSIONAL MEMBERSHIP

Member of the Forensic Science Society, 1985 -1995

Member of the Institute of Biology, Chartered Biologist, 1991-present

Member of the American Heart Association, Council for High Blood Pressure Research, 1993-1996

Member of the American Association of Pharmaceutical Scientists, 1994-1999

Member of the American Association of Colleges of Pharmacy, 1994-1998

Fellow of the American Heart Association, Council for High Blood Pressure Research, 1996 – present

AWARDS

The Carnegie Trust for the Universities of Scotland Tuition Award, Edinburgh, Scotland, 1985-86.
Forensic Science Society Bursary Award, Forensic Science Society, Harrogate, England, 1991.
Merck Travel Award, 47th Annual Fall Conference of the Council for High Blood Pressure Research, San Francisco, CA, 1993.
Hypertension Summer School Travel Award, German Institute of High Blood Pressure Research, Ross Priory, Scotland, 1993.
American Heart Association, Florida Affiliate, Postdoctoral Fellowship, 1993-94
American Heart Association, Florida Affiliate, Postdoctoral Fellowship, 1994-95

FUNDED RESEARCH

The National Institute of Justice, Washington DC, \$86,500, Co-Investigator.
The use of Microcrystal Tests with Fourier Transform Infra-Red Spectrometry for the Rapid Identification of Illicit Cocaine, 1990.

American Heart Association Fellowship Award, Florida Affiliate, \$35,000, PI.
Antisense Inhibition of Central Angiotensin Induced Hypertension, 1993-1994.

American Heart Association Fellowship Award, Florida Affiliate, \$32,000, Principal Investigator
Antisense Inhibition of Central Angiotensin Induced Hypertension, 1994-1995.

University of Florida, New Faculty Research Support Program, \$5000, PI.
Cocaine Induced Hypertension and Development of the Cardiovascular System, 1994-95.

American Association of Colleges of Pharmacy, Alexandria, VA, \$10,000, PI.
The Role of the Renin-Angiotensin System in Cocaine Induced Hypertension, 1994-95.

University of Florida, New Faculty Research Support Program, \$13,000, Co-PI.
Antisense Inhibition of Hypertension, 1995.

University of Florida, Department of Sponsored Research, New Faculty Research Development Award, \$25,000, PI.
Antisense Oligodeoxynucleotide Inhibition of Hypertension, 1994-96.

American Heart Association (Florida Affiliate), Tampa, FL, \$270,000, PI.
The Role of Angiotensinogen in Hypertension and its subsequent Inhibition by Antisense Oligodeoxynucleotide Technology, 1995-1998.

University of Florida, DSR (RDA), \$25,000, Co-Investigator.
The Role of Estrogen-Induced Secreted Oviduct Protein in the Pig Model, 1996-97.

AACP Merck Research Scholar Program, \$7,000, Faculty Advisor.
Liposome Encapsulated Antisense Inhibition of Hypertension in Young Spontaneously Hypertensive Rats, 1996-97.

NIH Medical Student Summer Fellowship, \$2085, Faculty Advisor.
Oral Formulation of Antisense Oligonucleotide for the Treatment of Hypertension, 1996.

National Institute of Health, Washington DC. \$4,131,233, Co-Investigator.
Discovery for Novel drugs in Alzheimer's Disease, 1996-2001.

Florida Foundation, \$35,000, Co-Investigator.
The Effects of Silicone Implants on Memory, 1996-98.

NIH Medical Student Summer Fellowship, \$2085, Faculty Advisor.
Antisense Inhibition of Hypertension Development in Young SHR, 1997.

NIH Medical Student Summer Fellowship, \$2085, Faculty Advisor.
Determination of Oligonucleotide Specificity for the Treatment of Hypertension, 1997.

NIH Medical Student Summer Fellowship, \$2085, Faculty Advisor.
Antisense Inhibition of Hypertension Development in Young SHR, 1997.

American Heart Association (FA Grant-in -Aid), \$99,966, Consultant.
Renal Transport of Dopamine In Hypertension, 1997-1999.

United States Department of Agriculture, Washington DC. Co-Principle Investigator.
Function of an Estrogen Induced Secreted Oviduct Protein, \$220,000, 1997-2000.

UNIVERSITY SERVICE

Member of the Institutional Biosafety Committee, University of Florida, 1997-98
Member of the Student Conduct Committee, University of Florida, 1997-98
Alternate Member of the Curriculum Committee, College of Pharmacy, UF, 1995-96
Member of the Academic Performance Committee, College of Pharmacy, UF, 1996-97
Member of Curriculum Work Group 1, College of Pharmacy, UF, 1996-97
Department of Pharmaceutics, Blood borne Pathogen Coordinator, UF, 1994-96
Department of Medicinal Chemistry, Department Chair Committee, UF, 1997
Member of the Hypertension Center, College of Medicine, UF, 1995-1998
Member of the Center for Structural Biology, College of Medicine, UF, 1996-1998

NON UNIVERSITY SERVICE

Member of Drug Evaluation Panel, Current Drugs Ltd. London, UK., 1997- 1999
Research Peer Review Committee, American Heart Association, Florida Affiliate, 1996-99
Member of the Progress Review Sub-committee, American Heart Association, Florida Affiliate, 1997
American Heart Walk, University of Florida, Health Science Center, College Organizer. 1995, 96
External reviewer, American Association of Pharmaceutical Scientists, 1994-95
Moderator, Annual meeting. Association of American Pharmaceutical Scientists San Diego, CA., 1994.
Editorial Review Board, Regulatory Peptides, 1995
Organizational Committee, Association of American Pharmaceutical Scientists, SE Regional Meeting, Morrisville (RTP), North Carolina, 1996
Judge, poster presentations, GRASP meeting, University of Florida, FL, 1997
Drug Chemistry seminars - Office of the Public Defender, Chicago, IL., 1988-92
Presented training seminars for crime scene investigators, FDA and attorneys, 1988-92
Vice Chair, The National Commission on Forensic Education, June 2007

COURSES/Workshops Attended

Searching and Note Taking in Trace Evidence. Birmingham, England, 1986.
FTIR Workshop. SAS\FACCS meeting, Chicago, IL., 1989.

FTIR Workshop, Mattson Instruments, Inc., Madison, WI., 1991.
IR. Plan Microscope Workshop, Spectra-tech, Inc., Stamford, CT., 1991.
ADx, FPIA Training Course, Abbott Diagnostics, Irving, TX., 1991.
Saturn GCMS Training Course, Varian Instruments, Wood Dale, IL., 1992.
Hypertension Summer School, German Institute for High Blood Pressure Research, Ross Priory, Scotland, 1993.
Workshop on Vascular Biology in Hypertension, American Heart Association, San Francisco, 1993.
Aseptic Techniques: Animal Workshop, University of Florida, 1995.
Future Needs in Antisense technology. NIH/NIH, Bethesda, MD, 1997.
Developing Courses using WebCT, University of Florida, 1999.
Making Web Pages with FrontPage University of Florida, 2000
Making Web Pages with Microsoft Word 2000, University of Florida, 2000
Graphics for the WEB using windows 98, University of Florida, 2000
Putting Forms on the Web With Microsoft FrontPage Express, University of Florida, 2000
IBIS Training Workshop, Largo FL. 2002

INVITED PRESENTATIONS

D Wielbo and D Stoney. Comparison of amylase concentrations in saliva and vaginal secretions. MidWestern Association of Forensic Scientists, Minneapolis, MN., 1988.

D Wielbo. Fourier transform infra-red spectroscopy for the rapid identification of cocaine in illicit samples and body fluids. University of Illinois Science Forum, 1990.

D Wielbo. Drug analysis by micro-FTIR. University of Illinois Science Forum, 1991.

D Wielbo. IR. Tebbett and K Smith. Data handling in cocaine analysis: Micro-FTIR analyses. Advanced Information Systems Seminar, University of Illinois, Circle Center, 1991.

D Wielbo. Antisense inhibition of hypertension. 28th Annual Higuchi Research Seminar, Lake Ozark, Mo., 1995.

N Shi, IR Tebbett and D Wielbo. The effect of cocaine on TGF β expression in hepatoma cell culture. Graduate Student Research Forum, University of Florida, 1996.

D Wielbo. Liposome encapsulated antisense oligonucleotide inhibition of hypertension. Department of Rheumatology, College of Medicine, University of Florida, 1996.

N Shi, IR Tebbett and D Wielbo. The effect of cocaine on the expression of TGF β in rat hepatoma cells. SE Regional AAPS Meeting, Morrisville NC, 1996.

S Moghaddam and D Wielbo. Analysis and separation of six 18-mer oligonucleotides using capillary electrophoresis. SE Regional AAPS Meeting, Morrisville NC, 1996.

D Wielbo. Antisense inhibition of hypertension. Inex Pharmaceuticals, Vancouver, Canada. 1997.

D Wielbo and N Shi. Tissue distribution and antihypertensive effects of AGT mRNA antisense. 9th International Symposium on SHR and Cardiovascular Genetics. Montreal, Canada. 1997.

D Wielbo. The role of genomics in developing a magic bullet. College of Pharmacy Honors Program, University of Florida, 1998.

D Wielbo. Developments in Pharmacogenomics and Pharmacogenetics. Seminars in Clinical

Research, Clinical Research Center, University of Florida, 1998.

Forensic Online Education – Forensic E-symposium, the Forensic Institute's 2006 Series, August 2006.

Expelling the Myths of Online Education – Keynote speech, Donna Wielbo and Ian Tebbett, Baltic Medico-Legal Congress 2007, Vilnius, Lithuania.

ABSTRACTS

D Wielbo. The use of microcrystal tests with Fourier transform infra-red spectroscopy for the rapid identification of street drugs. 22nd Annual Pharmaceutics Graduate Student Research Meeting, Ohio State University, Columbus, Ohio. 1990.

D Wielbo. The use of microcrystal tests with FTIR for the rapid identification of street drugs. 19th Annual Meeting, Mid-Western Association of Forensic Scientists, Indianapolis, IN., 1990.

D Wielbo and IR Tebbett. Cocaine analysis by micro-FTIR. 3rd Meeting of the International Association of Forensic Sciences, Adelaide, Australia, 1990.

K Strong and D Wielbo. Analysis of fiber dyes by HPLC. 3rd Meeting of the International Association of Forensic Sciences, Adelaide, Australia, 1990.

C Fitzsimmons, S Palenik and D Wielbo. Detection and identification of drugs of abuse by Fourier transform microspectroscopy of characteristic crystals from microchemical tests. 17th Annual Meeting of the Federation of Analytical Chemistry and Spectroscopy Societies. Cleveland, Ohio, 1990.

D Wielbo. The use of microcrystal tests with Fourier transform infrared spectrometry for the rapid identification of street drugs. Society for Applied Spectroscopy, Des Plaines, Chicago, Illinois. 1991.

IR Tebbett and D Wielbo. Street drug identification by micro-FTIR. American Academy of Forensic Sciences, Annual Meeting. Anaheim, California, 1991.

D Wielbo, R Gyurko and MI Phillips. Central inhibition of the renin-angiotensin system by antisense oligodeoxynucleotides decreases blood pressure in SHR. 47th Annual Fall Conference of the Council for High Blood Pressure Research, San Francisco, CA, 1993.

R Gyurko, D Wielbo and MI Phillips. Antisense inhibition of brain AT1 receptors reduces hypertension in SHR. Society for Neuroscience Abstracts, 19, 1993.

MI Phillips, D Wielbo and R Gyurko. Antisense inhibition of angiotensinogen and AT1 receptor mRNA lowers blood pressure in SHR. Gordon Research Conference, 1994.

MI Phillips, D Wielbo and R Gyurko. Antisense inhibition of AT1 receptor mRNA and angiotensinogen mRNA in the brain of SHR reduces hypertension. 15th Scientific Meeting of the International Society of Hypertension, Melbourne, Australia, 1994.

MI Phillips, D Wielbo and R Gyurko. Antisense inhibition of angiotensin II type-1 (AT1) receptor gene produces long lasting decrease of hypertension. The American Society of Hypertension. 9th Scientific meeting, New York, NY., 1994

D Wielbo, R Gyurko, C Sernia and MI Phillips. Antihypertensive effects of modified antisense oligonucleotide to angiotensinogen mRNA in spontaneously hypertensive rats (SHR). Hypertension, 24(3), P377,1994.

MI Phillips, R Gyurko, J Bui, C Sernia and D Wielbo. Uptake and stability of angiotensin receptor type-1 mRNA antisense oligodeoxynucleotide studied by laser scanning confocal microscopy. Hypertension, 24(3), P378, 1994.

D Wielbo, C Sernia, R Gyurko and MI Phillips. Antisense oligodeoxynucleotide inhibition of hypertension in the spontaneously hypertensive rat. Pharm Res, 11:10 (Suppl), BIOTEC 2032, S-78, 1994.

H Meng, R Gyurko, D Wielbo, S Baker and MI Phillips. Effect of AT1 receptor mRNA by antisense ODN on drinking and vasopressin release to angiotensin II in spontaneously hypertensive and normotensive rats. Society for Neuroscience Abstracts, 20(1), p512, 1994.

D Wielbo, A Simon, MI Phillips and S Toffolo. Liposome encapsulated antisense oligonucleotide inhibition of hypertension. Nucleic Acid Based Therapeutics, San Diego, CA., 1995.

V Srinivasan, D Wielbo, K Sloan, B Freiburger, J Karlix, J Simpkins and I Tebbett. Analgesic and immunomodulatory effects of codeine and codeine-6-glucuronide. Pharm Res, 13(2): 296-300, 1995.
D Wielbo and J Peris. Antisense oligonucleotide inhibition of GABA_A receptor mRNA increases cocaine sensitivity in rats. Pharm Res, 12:9, (Suppl) PPDM 8313, S-405, 1995.

D Wielbo, A Simon, MI Phillips and SM Toffolo. Inhibition of hypertension using liposome encapsulated antisense oligonucleotides targeted to liver angiotensinogen. Pharm Res, 12:9, (Suppl) BIOTEC 2068, S-95, 1995.

J Peris and D Wielbo. Intraventricular injections of antisense sequences for GABA_A receptor mRNA increases cocaine receptor sensitivity in rats. Society for Neuroscience Abstracts, 21:715, 1995

MI Phillips, R Gyurko, D Wielbo, A Varela and SM Galli. Antisense inhibition of hypertension: A new strategy for renin-angiotensin candidate genes. American Journal of Hypertension, (994):11A, 1995.

JL Karlix, IR Tebbett, D Wielbo, C Chen and B Freiberger. The immunomodulatory effects of cocaine and its metabolites. Pharmacotherapy, 14:378-380, 1994.

N Shi, IR Tebbett and D Wielbo. The effect of cocaine on the expression of TGF β -1 in rat hepatoma cells. SE Regional AAPS Meeting, Morrisville NC, 1996.

S Moghaddam and D Wielbo. Analysis and separation of six 18-mer oligonucleotides using capillary electrophoresis. SE Regional AAPS Meeting, Morrisville, NC, 1996.

J Peris, BJ Jung, P Walker, O Malakhova, Y Bokrand and D Wielbo. Antisense inhibition of striatal GABA_A receptor proteins decreases GABA-stimulated chloride uptake and increases cocaine sensitivity in rats. Society for Neuroscience, 1996 Annual Meeting, Washington DC., 1996.

SA Al-Suwayeh, IR Tebbett, D Wielbo, S Toffolo and GA Brazeau. In vivo myotoxicity of loxapine liposomes following intramuscular (IM) injection in the rodent model. Pharm Res, 13:9, S226, PT6277, 1996.

D Wielbo, B Jung, P Walker, O Malakhova, Y Bokrand and J Peris. Antisense oligonucleotide inhibition of GABA-stimulated chloride uptake with subsequent increases in cocaine sensitivity. Pharm Res, 13:9, S494, PPDM 8408, 1996.

S Moghaddam, IR Tebbett and D Wielbo. Analysis and separation of angiotensin 1-3 using capillary electrophoresis. Pharm Res, 13:9, S26, APQ 1096, 1996.

N Shi, S MacDougal, IR Tebbett and D Wielbo. Cocaine induced expression of TGF β in hepatoma

cell culture. Pharm Res,13:9, S492, PPDM 8400, 1996.

D Wielbo, O Malakhova and SM Toffolo. Antisense inhibition of hypertension: Liposomal delivery and tissue distribution. Pharm Res,13:9, S100, BIOTEC 2096, 1996.

D Wielbo and N Shi. Liposome encapsulated antisense inhibition of angiotensinogen in H4B hepatoma cell culture. Pharm Res,13:9, S108, BIOTEC 2126, 1996.

D Wielbo, N Shi and B Houk. Antisense inhibition of angiotensinogen: Tissue distribution and antihypertensive effects. Circulation, 1997.

D Wielbo, S Brown, N Shi and O Malakhova. Antisense attenuation of hypertension in spontaneously hypertensive rats. Pharm Res, 1997

Al-Suwayeh, S, Wielbo, D, Brazeau, G and Tebbett, I. Pharmacokinetics and sustained release drug delivery of liposomal loxapine and its impact on skeletal muscle damage following intramuscular (IM) injection. The 5th International Saudi Pharmacy Conference, Riyadh, Saudi Arabia, October, 1999.

Karlix JL, Freiburger B, Hoy JB, Tebbett IR, Wielbo D, van Haaren F, Schmidt CJ. The immunomodulatory effects of chemicals used during the Gulf War. Conference on Federally Sponsored Gulf War Veterans' Illnesses Research, 1998

Evaluation of a new online international graduate program in pharmaceutical chemistry, Grundmann O, Wielbo D, Everett A, Everett J, Tebbett I, March 2010, 239th American Chemical Society National Meeting, San Francisco, US

Online Worldwide Forensic Collaboration that Sparks Educational Innovation, Grundmann O, Wielbo D, Toffolo N, Harrison D, Lennard C, Everett J, Tebbett I, September 2009, 5th European Academy of Forensic Science Conference, Glasgow, Scotland

MANUSCRIPTS

D Wielbo, IR Tebbett, C Fitzsimmons and S Palenik. The use of FTIR and microcrystal tests for the detection of cocaine in street drugs. Microgram, 23:11, 258-264, 1990.

D Wielbo, IR Tebbett. The use of microcrystal tests in conjunction with Fourier transform infra-red spectroscopy for the rapid identification of street drugs. Journal of Forensic Sciences, 37, 1134-1148, 1992.

AK Larsen and D Wielbo. Gas chromatography and forensic drug analysis, in Gas Chromatography In Forensic Science, Ellis Horwood, Chichester, England, 1992.

D Wielbo, IR Tebbett. The use of micro-FTIR for the rapid identification of street drugs: determination of interference by common diluents. Journal of the Forensic Science Society, 33(1), 25-32, 1993.

D Wielbo, R Bhat, G Chari, IR Tebbett, A Gulati and D Vidyasagar. HPLC determination of morphine and its metabolites in plasma using diode array detection. J. Chromatography, 615, 164-168, 1993.

R Gyurko, D Wielbo and MI Phillips. Reduction of blood pressure by antisense to AT1 receptor mRNA and angiotensinogen mRNA in the brain of SHR rats. Regulatory Peptides, 49:167-174, 1993.

H Meng, D Wielbo, R Gyurko and MI Phillips. Antisense inhibition of angiotensin type 1 receptor expression on drinking and vasopressin responses to central angiotensin in Sprague-Dawley and spontaneously hypertensive rats. Regulatory Peptides, 54:543-551, 1994.

MI Phillips, D Wielbo and R Gyurko. Antisense inhibition of hypertension: A new strategy for renin-

angiotensin candidate genes. Kidney International, 46:1554-1556, 1994.

D Wielbo, C Sernia and MI Phillips. The distribution and antihypertensive effects of phosphorothioated antisense oligodeoxynucleotides in SHR. Hypertension, 25:314-319, 1995.

V Srinivasan, D Wielbo, K Sloan, B Freiburger, J Karlix, J Simpkins and IR Tebbett. Analgesic and immunomodulatory effects of codeine and codeine-6-glucuronide. Pharm Res, 13(2):296-300, 1996.

D Wielbo, A Simon, MI Phillips and SM Toffolo. Inhibition of hypertension by peripheral administration of antisense oligodeoxynucleotides. Hypertension, 28:147-151, 1996.

S Al-Suwayeh, GA Brazeau, D Wielbo and IR Tebbett. In vitro-in vivo myotoxicity of loxapine liposomes following intramuscular injection. Pharm Res, 13:9, 1385-1388, 1996.

D Wielbo, N Shi and C Sernia. Antisense inhibition of angiotensinogen in hepatoma cell culture. Biochemical Biophysical Research Communications, 232:3,794-799, 1997.

D Wielbo. Drug Evaluation: MK-996 (Merck & Co Inc). The Investigational Drugs Database, August 25, 1997.

D Wielbo. Drug Evaluation: Sch-42495 (Schering-Plough Corp). The Investigational Drugs Database, August 25, 1997.

D Wielbo. Future needs and developments in antisense technology: Meeting News. Investigational Drugs Weekly Highlights, 42:30-33, 1997.

V Srinivasan, D Wielbo and IR Tebbett. Analgesic effects of codeine-6-glucuronide after intravenous administration. European Journal of Pain, 1:185-190, 1997.

J Peris, BJ Jung, A Resnick, P Walker, O Malakhova, Y Bokrand and D Wielbo. Antisense inhibitor of striatal GABA_A receptor proteins decreases GABA-stimulated chloride uptake and increases cocaine sensitivity in rats. Mol Brain Research, 57:310-312, 1998.

F van Haaren, R de Jongh, JB Hoy, JL Karlix, C Schmidt, IR Tebbett and D Wielbo. The effects of acute and repeated administration of pyridostigmine bromide on response acquisition with immediate and delayed reinforcement. Pharmacol. Biochem. Behav., 62(2):389-394, 1999.

J Hoy, BA Cody, JL Karlix, CJ Schmidt, IR Tebbett, S Toffolo, F van Haaren and D Wielbo. Pyridostigmine bromide alters locomotion and thigmotaxis of rats: Gender effects. Pharmacol Biochem Behav, 63(3):401-6, 1999.

Van Haaren, F., Cody, B., Hoy, J.B., Karlix, J. L., Schmidt, C., Tebbett, I. R., & Wielbo, D. The effects of pyridostigmine bromide and permethrin alone, or in combination, on response acquisition in male and female rats. Pharmacology Biochemistry and Behavior, 66, 739-746, 2000.

D Wielbo. History: (a) Forensic Sciences. Encyclopedia of Forensic Sciences, Academic Press (2000)

D Wielbo, K L Lothridge. Forensics. Encyclopedia of Information Systems. Academic Press (2002)

K Savage, D Wielbo. Pharmacology of Illicit and Licit Drugs. Encyclopedia of Forensic Science. Elsevier Press, in Press.

Ian Tebbett, Dave Khey, and Donna Wielbo. Beyond Boundaries: Future Trends in Forensic Education. The Forensic Examiner; pp62-66, Spring 2007.

Grundmann O, Wielbo D, Tebbett I,. The Implementation and Growth of an International Online Forensic Science Graduate Program at the University of Florida, Journal of College Science Teaching, accepted manuscript.

Forensic Foundations, O. Grundmann, D. Wielbo, N. Toffolo, I. Tebbett, Forensic Technology Review, 2010, 186-189.

The Implementation and Growth of an International Online Forensic Science Graduate Program at the University of Florida, O. Grundmann, D. Wielbo, I. Tebbett, Journal of College Science Teaching, 2010, September/October;40(1): 34-40

(Miscellaneous Publications)

UF Scientists Report Synthetic DNA Aids Reduction of Blood Pressure. The Friday Evening Post, Health Science Center Communications. Pages 1, 8. Dec.16th, 1994.

Gene Therapy Controls Pressure. Monticello News, Bi-Weekly, Monticello, FL. Dec 21st, 1994.

Experimental Gene Therapy May Reduce Some blood Pressures. Lake Placid Journal Weekly, Lake Placid, FL. Dec 22nd, 1994.

UF Researchers Working on Blood Pressure Treatment. Okeechobee News Daily, FL. Dec 28th, 1994.

Florida Studies in Rats Show Synthetic DNA Leads to Long Lasting Blood Pressure Control. Tri County Sun Weekly, Lady Lake, FL, Jan 06, 1995

Rats Help Blood Pressure Patients. Press Gazette Weekly. Milton FL. Feb. 27th, 1995

Medical Topics: News from the World of Medicine. Reporter Weekly, Tavernier, FL. April 6th, 1995

DNA fragments may be basis for future treatment of high blood pressure. Gatorx Magazine, College of Pharmacy. Page 19, Volume 7, Spring 1995.

REFERENCES

Dr. M James
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Stephen F. Kingsmore MB ChB
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