

**University of Louisiana at Monroe
College of Pharmacy Toxicology
Accreditation Information Sheet**

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ACCREDITATION COUNCIL FOR PHARMACY EDUCATION

FORM F: Faculty Information

A. Information

Name: Kevin N. Baer Date of Birth _____
 Department/Division Toxicology Licensed Pharmacist? No Yes State _____
 First Title at College Assistant Professor Date Appointed 11/1/1994
 Current Title Associate Professor & Head, Toxicology Date Appointed 2007

B. Percentage activity (totals 100%):

Teaching 40 Scholarship 40 Service 20 Administrative (if applicable) 0

Estimated distribution of workload in the past year (%):

Activity	Per Cent (%)
Teaching:	
Didactic	50
Experiential	0
Practice	0
Scholarly Activity	25
Committee Assignments	10
Student Advising	5
Faculty Mentoring	5
Administration	5
Other:	
	0
Total	100%

C. Teaching Responsibilities: List teaching responsibilities, during academic year of on-site evaluation; if different from previous years indicate (e.g. courses taught, include team teaching, practice experiences)

General Toxicology* (Toxi 412, 3 cr.) 1995-present
 Toxicology and the Environment (TTC) (Toxi 101, 2 cr.) 1994-present
 Environmental Toxicology** (Toxi 201, 2 cr.) 1995-present
 General Toxicology (TTC) (Toxi 411, 3 cr.) 1995-present
 Seminar (TTC) (Toxi 491, 1 cr.) 1995-present
 Pharmacy Problems* (Phar 465, 1 cr.) 1996-present
 Clinical Toxicology (TTC) (Phar 524/424, 2 cr) 2000-present
 Pharmacology II (TTC) (Phar 412, 3 cr.) 2006-2007
 Pharmacology IV (TTC) (Phar 414, 3 cr.) 2006-2007
 Biochemical Toxicology (TTC) (Phar 550, 3 cr.) 1995-present
 Advanced Toxicology (TTC) (Phar 581, 3 cr.) 1995-present
 Advanced Toxicology Laboratory (TTC) (Phar 582, 3 cr.) 1995-present
 Methods and Principles of Toxicology: Aquatic Toxicology ** (Phar 590B, 4 cr.) 1996-present

D. Post-Secondary/Professional Education

Northeast Louisiana University	1978-1980, 1981-1982	B.S. Biology
College	Dates Attended	Degree Earned
Florida Atlantic University	1980-1981	None
College	Dates Attended	Degree Earned

E. Graduate Education (Master of Science, Doctor of Philosophy)

Northeast Louisiana University	1983-1988	Ph.D. Pharmacology & Toxicology
College	Dates Attended	Degree Earned
College	Dates Attended	Degree Earned

F. Post-Graduate Training (Post-Doctoral training, Residency, Fellowship)

University of Texas at Austin	1988-1989	Research Associate
Institution	Dates Attended	Position
Institution	Dates Attended	Position

G. Previous Academic Positions

University of LA at Monroe	2006-present	Head, Dept. of Toxicology
Institution	Dates of Employment	Position
University of LA at Monroe	2000-present	Associate Prof., Toxicology (tenure)
Institution	Dates of Employment	Position

H: Publications during past 3 years

Bankston, C.R. and Baer, K.N. 2005. Effects of industrial and domestic wastewaters on selected biological indicators in aquatic organisms. *Bull. Environ. Contam. Toxicol.* 75: 73-80.

Fasano, W.J. and Baer, K.N. 2006. The In Vitro permeability coefficient and short- term absorption rates for vinyl toluene using human cadaver skin mounted in a static diffusion cell model. *Drug and Chemical Toxicology*, 29:39-55.

Baer, K.N. and Aku, Peter K.M. (In-Press). Evaluation of the environmental impact of dredging aquatic sediments at Chennault Park Golf Course in Monroe, Louisiana. *Proceedings of the Louisiana Academy of Sciences.*

Gibble, R.E., Rollins-Smith, L., and Baer, K.N. (In-Press). Development of an assay for testing the antimicrobial activity of skin peptides against the amphibian chytrid fungus (*Batrachochytrium dendrobatidis*) using *Xenopus laevis*. *Ecotoxicology and Environmental Safety.*

Baer, K.N., Mosadeghi, S., and Schlenk, D. (Submitted). The effects of pulp and paper mill effluents on the immune status of juvenile largemouth bass. *Archives of Environmental Contamination and Toxicology*

I. Presentations during past 3 years

Gibble, R. and Baer, K.N. 2004. Immunological effects of the herbicide atrazine on *Xenopus laevis*. Society of Environmental Toxicology and Chemistry 25th Annual Meeting, Montreal, Quebec, Canada

Gibble, R. and Baer, K.N. 2006. Immunological effects of the herbicide atrazine on *Xenopus laevis*. Best Graduate Student Poster, Louisiana academy of Sciences, Lafayette, LA.

J. Present Scholarly Interests and Activities

2006-2008 Reduction in Nonpoint Source Contamination Loads to Bayou Chauvin in the Ouachita River Basin. USEPA-LDEQ (Principle investigator - \$222,900).

2007-2009 Reduction of Pesticides and Nutrients in Bennett's Bayou following implementation of Best Management Practices (BMPs). USEPA-LDEQ (Principle Investigator - \$104,340).

K. Present Professional Interests and Activities

Independent research program involves the development of synthetic media for culturing and bioassay testing *Daphnia magna*, the influence of endocrine disrupting chemicals on sex determination in *D. magna*, the use of the Japanese medaka (*Oryzias latipes*) embryo larval assay to assess the developmental toxicity of contaminated sediments and the seasonal variation of hepatic and ovarian zinc levels and metal-binding proteins in female channel catfish (*Ictalurus punctatus*). Other research interests include the use of biochemical and physiological biomarkers in freshwater fish, invertebrates and amphibians to assess environmental contamination.

ACCREDITATION COUNCIL FOR PHARMACY EDUCATION

FORM F: Faculty Information

A. Information

Name: Shannon Banks Date of Birth _____
 Department/Division Toxicology Licensed Pharmacist? No Yes State _____
 First Title at College Instructor Date Appointed 1/5/2007
 Current Title Instructor Date Appointed 1/5/2007

B. Percentage activity (totals 100%):

Teaching 60 Scholarship 0 Service 35 Administrative (if applicable) 5

Estimated distribution of workload in the past year (%):

Activity	Per Cent (%)
Teaching:	
Didactic	60
Experiential	0
Practice	0
Scholarly Activity	0
Committee Assignments	2.5
Student Advising	30
Faculty Mentoring	0
Administration	5
Other:	
RSO Advisor (Tox)	2.5
Total	100%

C. Teaching Responsibilities: List teaching responsibilities, during academic year of on-site evaluation; if different from previous years indicate (e.g. courses taught, include team teaching, practice experiences)

Toxicology 413 Sp 07
 Toxicology 414 Fall 07
 FRYS 101 Fall 07
 Toxicology 101 – Team Taught (11 lectures) Fall 07
 Toxicology 101 Neville – Team Taught (11 lectures) Sp 07
 Toxicology 101 Neville – Team Taught (11 lectures) Fall 07
 Toxicology 101 online coordinator Spring 07
 Toxicology 201 – Team Taught (4 lectures) Sp 07
 Toxicology 201 online coordinator Fall 08
 Toxicology 411 – 1 lecture Sp 07

D. Post-Secondary/Professional Education

University of Louisiana at Monroe	1991-1995	B.S. Toxicology
College	Dates Attended	Degree Earned

College	Dates Attended	Degree Earned
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E. Graduate Education (Master of Science, Doctor of Philosophy)

University of Louisiana at Monroe	1995-1998	M.S. Toxicology
College	Dates Attended	Degree Earned

College	Dates Attended	Degree Earned
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F. Post-Graduate Training (Post-Doctoral training, Residency, Fellowship)

Institution	Dates Attended	Position
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Institution	Dates Attended	Position
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G. Previous Academic Positions

Institution	Dates of Employment	Position
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Institution	Dates of Employment	Position
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H: Publications during past 3 years

I. Presentations during past 3 years

Poster presentation: Society of Environmental Toxicology and Chemistry National Meeting
“Aquatic Exposure Guidelines for Ruboxistaurin Mesylate”; Montreal, Canada. Nov 2006

J. Present Scholarly Interests and Activities

K. Present Professional Interests and Activities

Member: Society of Environmental Toxicology and Chemistry

Forensic Toxicology - Forensic Toxicology Undergraduate Course Development (TOXI 301)

University Recruiting for Toxicology and Pharmacy

Alumni Relations

ACCREDITATION COUNCIL FOR PHARMACY EDUCATION

FORM F: Faculty Information

A. Information

Name: Benny L. Blaylock Date of Birth _____
 Department/Division Toxicology Licensed Pharmacist? No Yes State _____
 First Title at College Assistant Professor Date Appointed 8/1993
 Current Title Associate Dean, Operations, Technology & Graduate Studies Date Appointed 3/2005

B. Percentage activity (totals 100%):

Teaching 35 Scholarship 0 Service 0 Administrative (if applicable) 65

Estimated distribution of workload in the past year (%):

Activity	Per Cent (%)
Teaching:	
Didactic	<u>35</u>
Experiential	<u>0</u>
Practice	<u>0</u>
Scholarly Activity	<u>0</u>
Committee Assignments	<u>5</u>
Student Advising	<u>0</u>
Faculty Mentoring	<u>0</u>
Administration	<u>60</u>
Other:	
Total	100%

C. Teaching Responsibilities: List teaching responsibilities, during academic year of on-site evaluation; if different from previous years indicate (e.g. courses taught, include team teaching, practice experiences)

Immunology and biotechnology (sole instructor), Toxicology and the Environment (team taught), General Toxicology (TOXI 411, team taught), Disease Pathogenesis and Pharmacotherapy (team taught), General Toxicology (TOXI 411, team taught), Pharmacology IV (team taught), Toxicology and the Environment (presented at Neville High School, team taught)

D. Post-Secondary/Professional Education

Arkansas Polytechnic College	9/67-5/71	BA Biology
College	Dates Attended	Degree Earned
Arkansas Polytechnic College	9/67-7/72	BA Medical Technology
College	Dates Attended	Degree Earned

E. Graduate Education (Master of Science, Doctor of Philosophy)

University of Arkansas for Medical Science	1972-1975	M.S. Microbiology & Immunology
College	Dates Attended	Degree Earned
University of Arkansas for Medical Science	1987-1989	Ph.D. Microbiology & Immunology
College	Dates Attended	Degree Earned

F. Post-Graduate Training (Post-Doctoral training, Residency, Fellowship)

Nat. Institute of Environmental Health Sciences	1989-1991	Postdoctoral Fellow & Staff Fellow
Institution	Dates Attended	Position
Institution	Dates Attended	Position

G. Previous Academic Positions

University of Louisiana at Monroe	1/1992-7/1993	Assistant Prof., Dept. of Biology
Institution	Dates of Employment	Position
Institution	Dates of Employment	Position

H: Publications during past 3 years

Prater MR, Blaylock BL, Chen, J. Gogal, R.M. and Holladay SD. 2005. Combined Dermal Exposure to Permethrin and cis-Urocanic Acid Suppresses the Contact Hypersensitivity Response in C57Bl/6 Mice in an Additive Manner. *Photochem. Photobiol.*, 78:29-34.

Blaylock, B.L., Aldrin, In: *Encyclopedia of Toxicology*, 2nd edition (Philip Wexler, ed) Elsevier. 2005.

Blaylock, B.L., Chlordane, In: *Encyclopedia of Toxicology*, 2nd edition (Philip Wexler, ed) Elsevier. 2005.

Blaylock, B.L., Cyclodienes, In: *Encyclopedia of Toxicology*, 2nd edition (Philip Wexler, ed) Elsevier. 2005.

Blaylock, B.L., DDT, In: *Encyclopedia of Toxicology*, 2nd edition (Philip Wexler, ed) Elsevier. 2005.

Blaylock, B.L., Endrin, In: *Encyclopedia of Toxicology*, 2nd edition (Philip Wexler, ed) Elsevier. 2005.

Blaylock, B.L., Heptochlor, In: *Encyclopedia of Toxicology*, 2nd edition (Philip Wexler, ed) Elsevier. 2005.

Blaylock, B.L., Lindane, In: *Encyclopedia of Toxicology*, 2nd edition (Philip Wexler, ed) Elsevier. 2005.

Blaylock, B.L., Organochlorine Insecticides, In: *Encyclopedia of Toxicology*, 2nd edition (Philip Wexler, ed) Elsevier. 2005.

Blaylock, B.L., Dieldrin, In: *Encyclopedia of Toxicology*, 2nd edition (Philip Wexler, ed) Elsevier. 2005.

I. Presentations during past 3 years

J. Present Scholarly Interests and Activities

Immunotoxicology

K. Present Professional Interests and Activities

ACCREDITATION COUNCIL FOR PHARMACY EDUCATION

FORM F: Faculty Information

A. Information

Name: John E. Herrock Date of Birth _____
 Department/Division Toxicology Licensed Pharmacist? No Yes State _____
 First Title at College Instructor Date Appointed 8/1993
 Current Title Instructor Date Appointed 12/2005

B. Percentage activity (totals 100%):

Teaching 06 Scholarship 0 Service 40 Administrative (if applicable) 0

Estimated distribution of workload in the past year (%):

Activity	Per Cent (%)
Teaching:	
Didactic	60
Experiential	0
Practice	0
Scholarly Activity	0
Committee Assignments	5
Student Advising	0
Faculty Mentoring	0
Administration	0
Other:	
COP Safety Officer	35
Total	100%

C. Teaching Responsibilities: List teaching responsibilities, during academic year of on-site evaluation; if different from previous years indicate (e.g. courses taught, include team teaching, practice experiences)

Toxi 443; Sec 01 & 02 - Industrial Hygiene Lab
 Toxi 444; Sec 01 – Industrial Hygiene Lecture
 Toxi 101 – Sec 01 – Toxicology and the Environment (6 lectures)
 FRYS 101 – Sec 36 – Freshman Year Seminar

D. Post-Secondary/Professional Education

Northeast LA University	8/80-12/84	B.S. Biology
College	Dates Attended	Degree Earned

College	Dates Attended	Degree Earned
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E. Graduate Education (Master of Science, Doctor of Philosophy)

Northeast LA University	1/85-8/86	M.S. Biology
College	Dates Attended	Degree Earned

College	Dates Attended	Degree Earned
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F. Post-Graduate Training (Post-Doctoral training, Residency, Fellowship)

Institution	Dates Attended	Position
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Institution	Dates Attended	Position
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G. Previous Academic Positions

Institution	Dates of Employment	Position
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Institution	Dates of Employment	Position
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H: Publications during past 3 years

I. Presentations during past 3 years

Presented numerous safety topics during forty COP safety meetings since January 2006

J. Present Scholarly Interests and Activities

K. Present Professional Interests and Activities

ACCREDITATION COUNCIL FOR PHARMACY EDUCATION

FORM F: Faculty Information

A. Information

Name: Sharon A. Meyer Date of Birth _____
 Department/Division Toxicology Licensed Pharmacist? No Yes State _____
 First Title at College Associate Professor Date Appointed 11/1/2000
 Current Title Associate Professor Date Appointed 11/1/2000

B. Percentage activity (totals 100%):

Teaching 40 Scholarship 50 Service 10 Administrative (if applicable) 0

Estimated distribution of workload in the past year (%):

Activity	Per Cent (%)
Teaching:	
Didactic	<u>40</u>
Experiential	<u>0</u>
Practice	<u>0</u>
Scholarly Activity	<u>35</u>
Committee Assignments	<u>15</u>
Student Advising	<u>10</u>
Faculty Mentoring	<u>0</u>
Administration	<u>0</u>
Other:	
Total	100%

C. Teaching Responsibilities: List teaching responsibilities, during academic year of on-site evaluation; if different from previous years indicate (e.g. courses taught, include team teaching, practice experiences)

TOXI411 General Toxicology-3 cr hr; TOXI424 Clinical Toxicology – 2 cr hr;
 TOXI491 Seminar – 1 cr hr; PHAR550 Biochemical Toxicology – 3 cr hr;
 PHAR552 Seminar – 1 cr hr; PHAR581 Advanced Toxicology – 3 cr hr;
 PHAR582 Advanced Toxicology Lab – 3 cr hr

D. Post-Secondary/Professional Education

Iowa State University	1967-1971	B.S. Chemistry
College	Dates Attended	Degree Earned
College	Dates Attended	Degree Earned

E. Graduate Education (Master of Science, Doctor of Philosophy)

Iowa State University	1974-1977	M.S. Biochem
College	Dates Attended	Degree Earned
Cornell University	1979-1985	Ph.D. Physiol.
College	Dates Attended	Degree Earned

F. Post-Graduate Training (Post-Doctoral training, Residency, Fellowship)

Harvard Medical School	1983-1985	Postdoctoral
Institution	Dates Attended	Position
University North Carolina, Chapel Hill	1985-1986	Postdoctoral
Institution	Dates Attended	Position

G. Previous Academic Positions

Duke University Medical School	1986-1991	Assistant Med. Research Prof.
Institution	Dates of Employment	Position
North Carolina State University	1991-2000	Research Assistant Professor
Institution	Dates of Employment	Position

H: Publications during past 3 years

Meyer, S.A., A.J. Marchand, J.L. Hight, G.H. Roberts, L.S. Inouye, L.B. Escalon and D.K. MacMillan. Up-and-down procedure (UDP) determination of acute toxicity of nitroso degradation products of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX). *J. Appl. Toxicol.* 25:427-434, 2005.

Perkins, E., W. Bao., X. Guan, C-Y. Ang, R.D. Wolfinger, T.-M. Chu, P. Gong, P, S.A. Meyer and L. Inouye. Comparison of gene expression effects in liver tissue and primary hepatocyte cell cultures after exposure to hexahydro-1,3,5-trinitro-1,3,5-triazine. *BMC Bioinformatics* 7(Suppl 4):S22-28, 2006.

Miranda, S.R. and S.A. Meyer. Cytotoxicity of chloroacetanilide herbicide alachlor in HepG2 cells independent of CYP3A4 and CYP3A7. *Food Chem. Toxicol.* 45:871-877, 2007.

Macmillan, D.K., A.M. Hindemith, J.P. Shannon, L.B. Escalon, L.S. Inouye, S.A. Meyer. Distribution of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) degradation products hexahydro-1-nitroso-3,5-dinitro-1,3,5-triazine (MNX), hexahydro-1, 3,5-trinitroso-1,3,5-triazine (TNX), and metabolites in Sprague-Dawley rats. *Toxicol. Mech. Meth.* (in press).

Kale, V.M., S.R. Miranda, Mitchell S. Wilbanks and S.A. Meyer. Comparative cytotoxicity of chloroacetanilide herbicides alachlor, acetochlor and metolachlor in rat and cryopreserved human hepatocytes. *J. Biochem. Mol. Toxicol.* 22:(in press).

I. Presentations during past 3 years

Miranda, SR and Meyer, SA. Role of CYP3A in alachlor hepatotoxicity. 2004 Society of Toxicology Baltimore, MD

Miranda, SR and Meyer, SA. Role of CYP3A metabolism in hepatotoxicity of the chloroacetanilide herbicide alachlor. 2005 Society of Toxicology New Orleans, LA

Kale, VM and Meyer, SA. N-dealkylation is a key determinant in the hepatotoxicity of chloroacetanilide herbicide alachlor. 2005 Society of Toxicology, New Orleans, LA

Kale, VM and Meyer, SA. Role of CYP3A metabolism of chloroacetanilide herbicides in cytotoxicity of isolated rat hepatocytes. 2006 Society of Toxicology, San Diego, CA

Meyer, S.A., Persistent anemia associated with hematotoxicity of nitro reduced degradation product MNX of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX). 2006 Military Health Research Forum, San Juan, Puerto Rico, May 1-4, 2006.

Meyer, S.A. Mechanisms of Toxicity of 2 Nitrogenous Xenobiotics: Studies Directed by Systemic Effects of Acute Exposure. Dept Toxicology, Univ. Louisiana at Monroe, Monroe, LA, Feb. 12, 2007.

Kale, V.M., M.M. Aycock, M.S. Wilbanks, E. Perkins, L.S. Inouye and S.A. Meyer. Hematotoxicity of munititons compound hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) and environmental degradation product MNX. 2007 Society of Toxicology, Charlotte, NC.

Miranda, SR and Meyer, SA. Effect of induction and inhibition of CYP3A4/7 on alachlor cytotoxicity in HepG2 cells. 2007 Society of Toxicology, Charlotte, NC.

Perkins, E.J., B.L. Escalon, X. Guan and S.A. Meyer. Genomic analysis of the response and recovery of rat brain from chemically induced seizures. EPA 2007 International Science Forum on Computational Toxicology, May 21-23, 2007, Research Triangle Park, NC.

Wilbanks, M.S., S.L. Reeves, B.L. Escalon, E.J. Perkins, E.J. and S.A. Meyer. Comparative Hematotoxicity of Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) vs. Mono- and Tri-Nitroso Environmental Degradation Products MNX and TNX.. 2008 Society of Toxicology, Seattle, WA

J. Present Scholarly Interests and Activities

Grants/contracts:

Active:

US Army Medical Research and Materiel Command (via Congressionally Directed Medical Research Program; Myeloproliferative Disorders Research Program), W81XWH-05-10537 "Role of myelofibrosis in hematotoxicity of munition RDX environmental degradation product MNX", S.A. Meyer, P.I., 8/31/05 to 8/30/08. Direct/total costs: \$161,272/\$225,780

US Army Corps of Engineers, W912HX-05-P-0145 "RDX and MNX Neurotoxicity in the Rat", S.A. Meyer, P.I., 4/9/05 to 4/8/08. Direct/total costs: \$43,550/\$60,970

In Review:

US Army Corps of Engineers, "TNT, 4A-DNT, 2A-DNT, 24-DNT and 26-DNT Toxicity in Rats" (proposal #07-4225), S.A. Meyer, P.I., 10/07 to 9/10. Direct/total costs: \$82,430/\$115,402

NIH/NCCAM (R21AT004348-01A1), "Biocatalytically modified Echinacea purpurea as immunostimulant countering chemical myelosuppression", S.A. Meyer, P.I., 06/01/07 to 05/31/09. Direct/total costs: \$275,000/\$365,000

Book chapters:

Meyer, S.A. Overview of cellular techniques in toxicology. IN: Molecular and Biochemical Toxicology, 4th Ed. (Hodgson, E. and R. Smart, eds.), John Wiley & Sons, NY, (in press).

Wallace, A.D. and S.A. Meyer. Hepatotoxicity. IN: Molecular and Biochemical Toxicology, 4th Ed. (Hodgson, E. and R. Smart, eds.), John Wiley & Sons, NY, (in press).

K. Present Professional Interests and Activities

Professional Society Memberships:

American Association for Cancer Research

American Association for the Advancement of Science

American Association of Colleges of Pharmacy

International Society for the Study of Xenobiotics

South Central Chapter - Society of Toxicology (Past Sec., V Pres., Pres.)

Society of Toxicology (Carcinogenesis & In Vitro Toxicology Speciality Sections)

Women in Cancer Research