

Request for Justifying and Documenting Qualifications of Faculty

Request for Justifying and Documenting Qualifications of Faculty

Institution: Texas College

For each of the faculty members listed below, the committee either found the academic qualification of the faculty member to be inadequate and/or the institution did not adequately justify and document the faculty member's other qualifications to teach the identified course(s). For each case, the committee checked the column appropriate to its findings and provided additional comments if needed to clarify the concern.

The institution is requested to submit additional justification and documentation on the qualifications of each of the faculty member listed. When responding, the institution should use the Commission's "Faculty Roster Form: Qualifications of Full-Time and Part-Time Faculty" and its "Instructions for Reporting the Qualifications of Full-Time and Part-Time Faculty," which can be accessed under the Institutional Resources tab of the Commission website: www.sacscoc.org. Read the instructions carefully and pay close attention to the section "Providing Information that Establishes Qualifications." The completed form, or similar document, should be included as part of the institution's formal response to the Commission.

1	2	3	4	5
Name of Faculty Member	Course(s) in Question	Inadequate Academic Qualifications	Insufficient Justification of Other Qualifications	Comments (if needed)
Mizan Berhane	Math		X	No degree listed
Barbara Cade	English Literature	X		Degrees are in public policy and an MBA
Alexi Iakhiaev	Embryology		X	Degree in biophysics

*Form Adopted: January 2007
Updated: January 2011*

Faculty Roster Form

Qualifications of Full-Time and Part-Time Faculty

Name of Institution:

Name of Primary Department, Academic Program, or Discipline:

Academic Term(s) Included:

Date Form Completed:

1 NAME (F, P)	2 COURSES TAUGHT Including Term, Course Number & Title, Credit Hours (D, UN, UT, G)	3 ACADEMIC DEGREES & COURSEWORK Relevant to Courses Taught, Including Institution & Major List specific graduate coursework, if needed	4 OTHER QUALIFICATIONS & COMMENTS Related to Courses Taught
Mizan Berhane (F)	MATH 1314 College Algebra, 3 Credit Hours, (UT)	MS, Mid-Level School Math <u>Graduate course work:</u> Math 564 Differential Equations Math 564 Pre-Cal Mathematics Math 564 Integral Calculus Math 570 Logic and Proof Math 574 Survey of Math Math 572 Geometry Past and Present Math 568 Topics In Advanced Calculus Math 584 Modern Algebra & Number Theory Math 578 Seminar Math 578 Probability Theory Math 580 Statistical Reasoning Math 586 Survey of Mathematics II	Academic Advisor AVID presenter Pedagogical preparation in the sciences Facilitator of group and individualized tutorials Participates with Faculty Senate Resume and Transcript are attached.
Barbara Cade (F)	ENGL 1301, English Composition I, 3 Hours, (UT) ENGL 2302, World Literature, 3 Hours, (UT) ENGL 1302, English Composition II, 3 Hours, (UT) ENGL 3307, Advanced Composition, 3 Hours, (UT) ENGL 2315 American Literature, 3	<u>Master of Arts in English</u> <u>University of Texas at Tyler</u> <u>Graduate Coursework:</u> (ENGL 5380) <u>Advanced Grammar</u> <u>and Linguistics</u> (ENGL 5320) <u>Shakespeare- Studies</u> <u>in Composition</u> (ENGL 5321) <u>Neoclassical Literature</u>	Taught Developmental English and Writing at Tyler Junior College 1989 to 2000 and at Trinity Valley Community College from 1994-2000. Taught ESL English language to a group of Saudi Arabian students for almost two years. Worked as a reporter and columnist for the Chandler-Brownsboro Statesman from 1979-1997 Received a Townsend Press award for an article on developmental education.

Form Updated: January 2011

	Hours (UT)	(ENGL 5340) <u>Masters of American Literature</u> (ENGL 5390) <u>Studies in Composition English</u> ENGL 5382 <u>Contrastive Linguistics</u> ENGL 5370 <u>Studies in World Lit</u>	Academic Advisor -Work with College Editorial committee -Past President of Faculty Senate -Member of the Human Resource Committee -Member of the Professional Development Committee Part of Crosswalk team with TEA to align Texas CCRJ English curriculum with national English core requirements. Resume and Transcript are attached.
Alexei Iakhiaev (F)	BIOL 4272 Research, 2 credit hours (UT) PHYS 1411 General Physics I, 4 credit hours (UT) PHYS 1405 Introduction to Physical Science, 4 credit hours (UT) BIOL 4072 Vertebrate Embryology, 4 credit hours (UT) PHYS 1412 General Physics II, 4 credit hours (UT) BIOL 4270 Seminar, 2 credit hours (UT)	Ph.D. in Biophysics MS in Biophysics Major – biophysics from Moscow State Medical University, Graduate coursework: Master thesis in biophysics’ Biology Graduate Coursework: Immunology 140 hrs. Microbiology 140 hrs. Gen Pathology 278 hrs. Morphology 300 hrs. Biology 317 hrs. Chemistry 312 hrs. Higher Mathematics 493 hrs. Physics 420 hrs. Genetics 215 hrs. Normal Physiology 140 hrs. Biochemistry 207 hrs. Bio-cybernetics 90 hrs. Surgery 248 hrs. Neurology 149 hrs. Radiobiology 140 hrs. Pharmacology 210 hrs. Pediatrics 45 hrs. Psychiatry 45 hrs. Space Medicine 45 hrs. Biophysics 500 hrs.	Ten years of experience in bio-medical research with more than 30 peer reviewed publications. Post-doctoral work: 1987-1993 Research Center for Molecular Diagnostics, Moscow, Russia-“Protein Biochemistry” 1993-1995 Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia-“Signal Transduction” 1997-1998 Holland Laboratory for Biomedical Sciences, ARC, Rockville, USA-“Coagulation” 1998-2001 The University of Texas Health Science Center at Tyler-“Cell Biology of TF and Coagulation Factor VII” 2001-2005 The University of Texas Health Center at Tyler-“Instructor of Medicine” Academic Advisor Member of the Faculty Senate Published with student Student engagement in Research STEM grant participant Member of the Technology Committee Resume and Transcript are attached.

F, P: Full-time or Part-time; D, UN, UT, G: Developmental, Undergraduate Nontransferable, Undergraduate Transferable, Graduate

Mizan Berhane

Assistant Professor of Mathematics

2404 N Grand Ave, Glass Building # 209, Tyler, TX 75702

Office: (903) 593-8311; (903)780-0340(Cell) mberhane@texascollege.edu

Formal Education

M.Sc Stephen F. Austin State University, Nacogdoches, Texas
Major: Mathematics

B. Ed Addis Ababa University, Addis Ababa, Ethiopia
Major: Pedagogical Science
Minor: Mathematics

Faculty/Administrative Appointment

2015-present	Texas College Assistant Professor of Mathematics Teaching College Algebra
2009-2013	Wiley College Instructor of Mathematics Taught Developmental Mathematics, College Algebra, Pre-calculus, and Statistics
2006-2009	Texas College Instructor of Mathematics Taught Basic College Math, College Algebra, Trigonometry, and Statistics
2000-2003	High school teacher John Tyler High School, Tyler, Texas. Taught Algebra I and Algebra II
1992-1994	Instructor of Mathematics Pedagogy at Asmara Teachers Training Institute, Asmara, Eritrea Taught Methodology of Mathematics
1983-1991	High school teacher in Eritrea Taught algebra and geometry

Workshops/Presentations

AVID Workshop – Wiley College, Marshall, TX, 2011

Preparing Critical Faculty for the Future (PCFF), Orlando, FL, 2011

AAC&U 2011 Engaging Departments Institute, Ellicott City, Maryland

Summer Technology Institute - Participant, Wiley College, 2010

STEPHEN F. AUSTIN STATE UNIVERSITY

1936 North Street Nacogdoches, Texas 75962-3050 FICE 003624 Phone (936) 468-2501

Page: 1

Record of: Mizan Berhane

ID: 10379751

Issued To: HUMAN RESOURCES

Date Issued: 2/16/2015

TEXAS COLLEGE P.O.BOX 4500, TYLER, TX

SSN: XXX-XX-9125

75712

Date of Birth: 04/13/1958

TYLER, TX 75712-4500

OFFICIAL

Current Course Level: Graduate

Current Program: Master of Science

Current Major: Mid-Lvl School Math - Teaching

Current Minor:

Current Concentration:

Degree(s) Awarded

Degree: Master of Science 05/13/2006

Major: Mid-Lvl School Math - Teaching

Comments

Institutional Credit

Graduate Spring 2003

Subj Crse Sect Course Title	AHrs	EHrs	Grade	Pts	Rep	Quality
MTE 564 008 PRECALCULUS MATHEMATICS	3.00	3.00	B	9.00		

Term Totals

Current
Ahrs: 3.00 EHrs: 3.00 GPA-Hrs: 3.00 QPts: 9.00 GPA: 3.000

Cumulative
Ahrs: 3.00 EHrs: 3.00 GPA-Hrs: 3.00 QPts: 9.00 GPA: 3.000

Summer I 2003

Subj Crse Sect Course Title	AHrs	EHrs	Grade	Pts	Rep	Quality
MTE 564 001 DIFFERENTIAL CALCULUS	3.00	3.00	C	6.00		

Term Totals

Current
Ahrs: 3.00 EHrs: 3.00 GPA-Hrs: 3.00 QPts: 6.00 GPA: 2.000

Cumulative
Ahrs: 6.00 EHrs: 6.00 GPA-Hrs: 6.00 QPts: 15.00 GPA: 2.500

Summer II 2003

Subj Crse Sect Course Title	AHrs	EHrs	Grade	Pts	Rep	Quality
MTE 564 001 INTEGRAL CALCULUS	3.00	3.00	B	9.00		

Term Totals

Current
Ahrs: 3.00 EHrs: 3.00 GPA-Hrs: 3.00 QPts: 9.00 GPA: 3.000

Cumulative
Ahrs: 9.00 EHrs: 9.00 GPA-Hrs: 9.00 QPts: 24.00 GPA: 2.667

Fall 2003

Subj Crse Sect Course Title	AHrs	EHrs	Grade	Pts	Rep	Quality
MTE 570 001 LOGIC AND PROOF	3.00	3.00	B	9.00		

Term Totals

Current
Ahrs: 3.00 EHrs: 3.00 GPA-Hrs: 3.00 QPts: 9.00 GPA: 3.000

Cumulative
Ahrs: 12.00 EHrs: 12.00 GPA-Hrs: 12.00 QPts: 33.00 GPA: 2.750

Spring 2004

Subj Crse Sect Course Title	AHrs	EHrs	Grade	Pts	Rep	Quality
MTE 574 001 SURVEY OF MATHEMATICS I	3.00	3.00	A	12.00		

Term Totals

Current
Ahrs: 3.00 EHrs: 3.00 GPA-Hrs: 3.00 QPts: 12.00 GPA: 4.000

Cumulative
Ahrs: 15.00 EHrs: 15.00 GPA-Hrs: 15.00 QPts: 45.00 GPA: 3.000

Summer I 2004

Subj Crse Sect Course Title	AHrs	EHrs	Grade	Pts	Rep	Quality
MTE 572 001 GEOMETRY PAST AND PRESENT	3.00	3.00	B	9.00		

Term Totals

Current
Ahrs: 3.00 EHrs: 3.00 GPA-Hrs: 3.00 QPts: 9.00 GPA: 3.000

Cumulative
Ahrs: 18.00 EHrs: 18.00 GPA-Hrs: 18.00 QPts: 54.00 GPA: 3.000

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Lynda Langham, Registrar

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STEPHEN F. AUSTIN STATE UNIVERSITY

1936 North Street Nacogdoches, Texas 75962-3050 FICE 003624 Phone (936) 468-2501

Page: 2

Record of: Mizan Berhane

ID: 10379751

Issued To: HUMAN RESOURCES

Date Issued: 2/16/2015

TEXAS COLLEGE P.O.BOX 4500, TYLER, TX

SSN: XXX-XX-9125

75712

Date of Birth: 04/13/1958

TYLER, TX 75712-4500

OFFICIAL

Summer II 2004

Subj	Crse	Sect	Course Title	AHrs	EHrs	Grade	Quality Pts	Rep
MTE	568	001	TOPICS IN ADVANCED CALCULUS	3.00	3.00	A	12.00	

Term Totals

Current
Ahrs: 3.00 Ehrrs: 3.00 GPA-Hrs: 3.00 QPts: 12.00 GPA: 4.000

Cumulative
Ahrs: 21.00 Ehrrs: 21.00 GPA-Hrs: 21.00 QPts: 66.00 GPA: 3.143

Summer II 2005

Subj	Crse	Sect	Course Title	AHrs	EHrs	Grade	Quality Pts	Rep
MTE	580	001	STATISTICAL REASONING	3.00	3.00	B	9.00	

Term Totals

Current
Ahrs: 3.00 Ehrrs: 3.00 GPA-Hrs: 3.00 QPts: 9.00 GPA: 3.000

Cumulative
Ahrs: 33.00 Ehrrs: 33.00 GPA-Hrs: 33.00 QPts: 105.00 GPA: 3.182

Fall 2004

Subj	Crse	Sect	Course Title	AHrs	EHrs	Grade	Quality Pts	Rep
MTE	584	001	MODERN ALGEBRA & NUMBER THEORY	3.00	3.00	B	9.00	

Term Totals

Current
Ahrs: 3.00 Ehrrs: 3.00 GPA-Hrs: 3.00 QPts: 9.00 GPA: 3.000

Cumulative
Ahrs: 24.00 Ehrrs: 24.00 GPA-Hrs: 24.00 QPts: 75.00 GPA: 3.125

Fall 2005

Subj	Crse	Sect	Course Title	AHrs	EHrs	Grade	Quality Pts	Rep
MTE	586	001	SURVEY OF MATHEMATICS II	3.00	3.00	A	12.00	

Term Totals

Current
Ahrs: 3.00 Ehrrs: 3.00 GPA-Hrs: 3.00 QPts: 12.00 GPA: 4.000

Cumulative
Ahrs: 36.00 Ehrrs: 36.00 GPA-Hrs: 36.00 QPts: 117.00 GPA: 3.250

Spring 2005

Subj	Crse	Sect	Course Title	AHrs	EHrs	Grade	Quality Pts	Rep
SED	578	021	SEMINAR	3.00	3.00	A	12.00	

Term Totals

Current
Ahrs: 3.00 Ehrrs: 3.00 GPA-Hrs: 3.00 QPts: 12.00 GPA: 4.000

Cumulative
Ahrs: 27.00 Ehrrs: 27.00 GPA-Hrs: 27.00 QPts: 87.00 GPA: 3.222

**** End of Transcript ****

Summer I 2005

Subj	Crse	Sect	Course Title	AHrs	EHrs	Grade	Quality Pts	Rep
MTE	578	001	PROBABILITY THEORY	3.00	3.00	B	9.00	

Term Totals

Current
Ahrs: 3.00 Ehrrs: 3.00 GPA-Hrs: 3.00 QPts: 9.00 GPA: 3.000

Cumulative
Ahrs: 30.00 Ehrrs: 30.00 GPA-Hrs: 30.00 QPts: 96.00 GPA: 3.200

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Lynda Langham, Registrar

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BARBARA L. CADE

P.O. Box 818
Chandler, Texas 75758
(903) 849-6108
gravity1@flash.net

EDUCATION:

University of Texas at Tyler
M.A.I.S.- English, History, Journalism - 1991

University of Nebraska-Lincoln
B.A.-English, Spanish - 1972

WORK EXPERIENCE:

Texas College
Instructor – English, Developmental Writing
1993-Present

Tyler Junior College
Part-time instructor – Developmental English, English
1989-Present

Trinity Valley Community College
Part-time instructor – English
1994-1998

Systran, Inc.
ESL instructor for Saudi Arabian students
1991-1993

Chandler-Brownsboro Statesman
Writer, photographer, layout design, advertising
1979-1998

ACTIVITIES, ORGANIZATIONS, CLUBS, AWARDS, ETC:

Member of Institutional Effectiveness Committee-Texas College
The Steer Advisor (campus newspaper) – Texas College
Honda All-Star Coach – Texas College
Vice-President-Texas College Faculty Association

Member of National Council of Teachers of English
Worked with Academic Online computer program-Texas College
Member Edom Historical Society
Work with Animal Rescue Fund-Tyler
Member of Chandler United Methodist Church
Chandler United Methodist Choir
Chandler United Methodist Church Bell Choir
Award received from Townsend Press Writing Contest-1995
Past President-Tyler Christian Women's Club
Past President-AAUW Drama Group
Past President-On Pointe Ballet Mother's Group

References available upon request

3900 University Boulevard

Tyler, Texas 75799

903-566-7201

Cade, Barbara A

P.O. Box 818

Chandler, TX 75758

Printed: 03-Nov-04 Page 1 of 1

Grade Hours Points

Description

Course

Hours Points

Grade

Course Description

Texas Success Initiative

All TSI Areas Exempt

070 POLITICAL SCIENCE
080 SOCIAL/BEHAVIORAL SCIENCE
090 INSTITUTIONAL OPTION

** END OF TRANSCRIPT **

The University of Texas at Tyler - Summer I 1989

HIST5366 READ IN EARLY MOD EUROPE B G 3.00 9.00

JOUR5329 TOPICS IN MASS COMMUN: HIST & FUTURE OF RADIO AND TV A G 3.00 12.00

The University of Texas at Tyler - Fall 1989

ENGL5340 MASTERS OF AM LIT C G 3.00 6.00

ENGL5370 STUDIES IN WORLD LIT EPIC AND SAGA B G 3.00 9.00

The University of Texas at Tyler - Spring 1990

ENGL5380 ADV GRAMMAR & LINGUISTICS B G 3.00 9.00

HIST5320 RESEARCH SEM IN ST & LOCAL HIS A G 3.00 12.00

The University of Texas at Tyler - Summer I 1990

JOUR5310 PROB IN PHOTO COMM A G 3.00 12.00

The University of Texas at Tyler - Fall 1990

ENGL5382 CONTRASTIVE LINGUISTICS A G 3.00 12.00

HIST5360 READ SEM IN EARLY AMERICA: COLONIAL AMERICA A G 3.00 12.00

The University of Texas at Tyler - Spring 1991

ENGL5320 SHAKESPEARE A G 3.00 12.00

ENGL5390 STUDIES IN COMPOSITION B G 3.00 9.00

The University of Texas at Tyler - Summer I 1991

ENGL5321 NEOCLASSICAL LITERATURE A G 3.00 12.00

Sem Undergrad 0.00 0.00 0.00 0.00 GPA

Sem Grad 3.00 3.00 12.00 3.00 4.00

Cum Grad 36.00 36.00 126.00 36.00 3.50

Master of Arts, 08/05/1991

Major: IS-ENGLISH

Core Curriculum

010 COMMUNICATION

020 MATHEMATICS

030 NATURAL SCIENCES

040 HUMANITIES

050 VISUAL/PERFORMING ARTS

060 HISTORY

* Repeat of course
() Course credit not counted in EARNED

NAME: Alexei V. Iakhiaev, Ph.D.
POSITION TITLE: Assistant Professor of Biology and Physics
ADDRESS: Texas College
 2404 North Grand Avenue
 Tyler, TX 75712-4500
 Telephone: 903-593-8311 +2293
 E-mail: aiakhiaev@texascollge.edu

Home address: 4014 Chapel Woods Blvd
 Tyler, TX 75707
 Telephone: 903-330-6087 (cellular)
 E-mail: alexiakhiaev@hotmail.com

Visa status: US Citizen (Naturalized)

EDUCATION/TRAINING:

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Russian State Medical University, Moscow, Russia (Formerly: 2nd- Moscow State Medical Institute named after N.I. Pirogov)	MS	1975-1981	Medicine/ biophysics
Russian State Medical University, Moscow (Thesis defended at The Scientific Res. Institute of Industrial Hygiene and Occupational Diseases)	Ph.D.	1987	Lung diseases/ cellular biochemistry/biophysics
Research Center for Molecular Diagnostics, Moscow, Russia	Postdoc.	1987-1993	Protein biochemistry
Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia	Postdoc.	1993-1995	Signal transduction
Holland Laboratory for the Biomedical Sciences, ARC, Rockville, USA	Postdoc.	1997-1998	Coagulation
The University of Texas Health Center at Tyler	Postdoc.	1998-2001	Cell biology of TF and coagulation factor VII

A. POSITIONS AND HONORS

Positions and Employment

1981-1986 Junior Research Investigator, Moscow State Medical University, Russia.
 1986-1993 Research Investigator, Research Center for Molecular Diagnostics,
 Moscow, Russia
 1993-1997 Research Investigator, Institute of Bioorganic Chemistry, Russian
 Academy of Sciences, Moscow, Russia
 1997-1998 Visiting Scientist, Holland Laboratory for the Biomedical Sciences,
 American Red Cross, Rockville, MD
 1998-2001 Postdoctoral Research Associate, The University of Texas Health Science
 Center at Tyler (UTHSCT), Tyler, TX

2001-2005 Instructor of Medicine, UTHSCT, Tyler, TX
2005-2007 Assistant Professor of Biochemistry, UTHSCT, Tyler, TX

2007-present Assistant Professor of Biology and Physics, Texas College, Tyler, TX

Teaching and Other Experience, Professional Memberships

Taught: college Physics 1 and 2,
Introduction to Physical Science, Life science
Comparative Anatomy of Vertebrates, Histology
Bioinformatics class in the joint biotechnology program of UTHSCT- Stephen F. Austin State University (SFA SU).

Professional memberships.

2003 - 2007 Member of the American Association for the Advancement of Science
2009 –present Member of the American Society for Cell Biology

Other experience.

2005 - present. Adjunct Graduate Faculty member, SFA SU. Served on thesis committees for five graduate students; advised graduate students regarding their graduate research and thesis; participated in graduate thesis examinations.

1995-1997 Acting head of the Laboratory of phototransduction system proteins, Institute of Bioorganic Chemistry, Russian Academy of Sciences, Moscow, Russia
Served as a thesis advisor of two PhD students, who successfully completed PhD programs.

2009-2010 Visiting Scientist, UTHSCT, Tyler, TX

Honors

1987 PhD degree
1993 Individual grant from the International Science Foundation (Soros Foundation)
1999 Travel award from the American Society of Hematology
2009 Visiting Professorship and travel Award from the ASCB MAC

B. Peer-reviewed publications

1. Iakhiaev, M.A., **Iakhiaev, A.V.**, Graph-theoretical comparison of protein surfaces reveals potential determinants of cross-reactivity and the molecular mimicry. Mol Immunol. 2010 Jan;47(4):719-25. Epub 2009 Nov 25. PMID: 19939450 [PubMed - in process]

1.a. Identification of amino acid residues in protein SRP72 required for binding to a kinked 5e motif of the human signal recognition particle RNA.
Iakhiaeva E, **Iakhiaev A**, Zwieb C.
BMC Mol Biol. 2010 Nov 13;11:83. PMID: 21073748 [PubMed - indexed for MEDLINE]

2. Qureshi SH, Yang L, Manithody C, **Iakhiaev AV**, Rezaie AR. Mutagenesis studies toward understanding allostery in thrombin. *Biochemistry*. 2009 Sep 1;48(34):8261-70. PMID: 19640005 [PubMed - indexed for MEDLINE]
3. Nalian A, **Iakhiaev AV**. Possible mechanisms contributing to oxidative inactivation of activated protein C: molecular dynamics study. *Thromb Haemost*. 2008 Jul;100(1):18-25. PMID: 18612533 [PubMed - indexed for MEDLINE]
- 4: **Iakhiaev A.V**, Rezaie A., Idell S. Thrombomodulin-mediated catabolism of Protein C by pleural mesothelial and vascular endothelial cells. *Thromb Haemost*. 2007 Sep;98(3):627-34. PMID: 17849052 [PubMed - indexed for MEDLINE]
- 5: **Iakhiaev AV**, Nalian A, Koenig K, Idell S. Thrombin-thrombomodulin inhibits prourokinase-mediated pleural mesothelial cell-dependent fibrinolysis. *Thromb Res*. 2007;120(5):715-25. Epub 2007 Feb 2. PMID: 17275887 [PubMed - indexed for MEDLINE]
- 6: **Iakhiaev A**, Idell S. Activation and degradation of protein C by primary rabbit pleural mesothelial cells. *Lung*. 2006 Mar-Apr;184(2):81-8. PMID: 16622777 [PubMed - indexed for MEDLINE]
- 7: **Iakhiaev A**, Pendurthi U, Idell S. Asbestos induces tissue factor in Beas-2B human lung bronchial epithelial cells in vitro. *Lung*. 2004;182(4):251-64. PMID: 15636197 [PubMed - indexed for MEDLINE]
- 8: **Iakhiaev A**, Idell S. Asbestos induces tissue factor in Beas-2B cells via PI3 kinase-PKC-mediated signaling. *J Toxicol Environ Health A*. 2004 Oct 8;67(19):1537-47. PMID: 15371228 [PubMed - indexed for MEDLINE]
- 9: Mandal SK, **Iakhiaev A**, Pendurthi UR, Rao LV. Acute cholesterol depletion impairs functional expression of tissue factor in fibroblasts: modulation of tissue factor activity by membrane cholesterol. *Blood*. 2005 Jan 1;105(1):153-60. Epub 2004 Aug 24. PMID: 15328160 [PubMed - indexed for MEDLINE]
- 10: **Iakhiaev A**, Pendurthi UR, Rao LV. Active site blockade of factor VIIa alters its intracellular distribution. *J Biol Chem*. 2001 Dec 7;276(49):45895-901. Epub 2001 Oct 4. PMID: 11590156 [PubMed - indexed for MEDLINE]
- 11: **Iakhiaev A**, Ruf W, Rao LV. The role of catalytic cleft and exosite residues of factor VIIa for complex formation with tissue factor pathway inhibitor. *Thromb Haemost*. 2001 Mar;85(3):458-63. PMID: 11307815 [PubMed - indexed for MEDLINE]
- 12: Saenko EL, **Yakhyaev AV**, Mikhailenko I, Strickland DK, Sarafanov AG. Role of the low density lipoprotein-related protein receptor in mediation of factor VIII catabolism. *J Biol Chem*. 1999 Dec 31;274(53):37685-92. PMID: 10608826 [PubMed - indexed for MEDLINE]
- 13: **Iakhiaev A**, Pendurthi UR, Voigt J, Ezban M, Vijaya Mohan Rao L.

Catabolism of factor VIIa bound to tissue factor in fibroblasts in the presence and absence of tissue factor pathway inhibitor.
J Biol Chem. 1999 Dec 24;274(52):36995-7003. PMID: 10601255 [PubMed - indexed for MEDLINE]

14: Saenko EL, Scandella D, **Yakhyaev AV**, Greco NJ. Activation of factor VIII by thrombin increases its affinity for binding to synthetic phospholipid membranes and activated platelets.
J Biol Chem. 1998 Oct 23;273(43):27918-26. PMID: 9774404 [PubMed - indexed for MEDLINE]

15: Abdulaev NG, Karaschuk GN, Ladner JE, Kakuev DL, **Yakhyaev AV**, Tordova M, Gaidarov IO, Popov VI, Fujiwara JH, Chinchilla D, Eisenstein E, Gilliland GL, Ridge KD. Nucleoside diphosphate kinase from bovine retina: purification, subcellular localization, molecular cloning, and three-dimensional structure.
Biochemistry. 1998 Oct 6;37(40):13958-67. PMID: 9760230 [PubMed - indexed for MEDLINE]

16. **A.V. Yakhyaev**, V.K. Sologub, O.V. Makarova, V.A. Sukhanov. Identification of a novel melanoma-associated antigen using monoclonal antibody. **Immunology** (Moscow) (1997), N 4, pp. 57-59.

17: Karashchuk GN, Kakuev DL, **Iakh'iaev AV**, Abdulaev NG. [Nucleoside diphosphate kinase from bovine retina is a glycoprotein]
Bioorg Khim. 1996 Jun;22(6):472-3. Russian. PMID: 8975676 [PubMed - indexed for MEDLINE]

18: Sukhanov VA, Morozova LF, Lalaev VV, **Iakh'iaev AV**, D'iakov VL. [Inhibition of human MS and BRO melanoma cell proliferation by alpha melanocyte stimulating hormone] Vopr Med Khim. 1991 Nov-Dec;37(6):73-7. Russian. PMID: 1812619 [PubMed - indexed for MEDLINE]

19: **Yakhyaev AV**, Voronkova IM, Sukhanov VA. A simplified method of protein electroblotting after isoelectric focusing on an ultrathin polyacrylamide gel layer fixed on a cellophane support. Electrophoresis. 1991 Sep;12(9):680-2. PMID: 1752253 [PubMed - indexed for MEDLINE]

20: Sukhanov VA, D'iakov VL, Lalaev VV, **Iakh'iaev AV**. [Heterogeneity of tyrosinases isolated from rat skin, normal human skin, and human melanoma tumors] Biokhimiia. 1991 Jun;56(6):1026-35. Russian. PMID: 1932336 [PubMed - indexed for MEDLINE]

21: Sukhanov VA, D'iakov VL, Lalaev VV, **Iakh'iaev AV**, Voronkova IM, Donenko FV, Borovkova NB, Moroz LV. [The expression of P-glycoprotein in leukemia P388 cells with induced doxorubicin resistance] Biull Eksp Biol Med. 1991 Mar;111(3):290-1. Russian. PMID: 1675897 [PubMed - indexed for MEDLINE]

22: Sivkov GV, **Iakh'iaev AV**, Lomonova GV, Sadikov GB. [Physico-chemical properties of polyamide dusts determining their biological activity] Gig Tr Prof Zabol. 1988 Jun;(6):26-9. Russian. No abstract available. PMID: 3417169 [PubMed - indexed for MEDLINE]

23: Gromov KG, Velichkovskii BT, **Iakh'iaev AV**, Korkina LG. [Comparison of the cytotoxicity of Kuznetsk Basin coals of different compositions] Gig Tr Prof Zabol. 1988 Mar;(3):26-8. Russian. No abstract available. PMID: 3378708 [PubMed - indexed for MEDLINE]

24: Velichkovskii BT, **Iakh'iaev AV**, Azizova OA, Osipov AN, Korkina LG. [Effect of fibrogenous dust on oxygen consumption by the peritoneal macrophages (electron paramagnetic resonance study)] Gig Tr Prof Zabol. 1985 Oct;(10):31-4. Russian. No abstract available. PMID: 3000896 [PubMed - indexed for MEDLINE]

25: Azizova OA, Osipov AN, Savov VM, **Iakh'iaev AV**, Zubarev VE. [Initiation of nonenzymatic lipid peroxidation in a Fe²⁺-ascorbate-linolenate system] Biofizika. 1985 Jan-Feb;30(1):36-9. Russian. PMID: 2858224 [PubMed - indexed for MEDLINE]

26: Osipov AN, Savov VM, **Iakh'iaev AV**, Zubarev VE, Azizova OA. [Study of radicals formed in the interaction of organic hydroperoxides with ferric ions using the spin trap method] Biofizika. 1984 Jul-Aug;29(4):533-6. Russian. PMID: 6091781 [PubMed - indexed for MEDLINE]

27. O.A. Azizova, A.N. Osipov, **A.V. Iakh'iaev**, V.M. Savov, Yu.A. Vladimirov. Spin trapping study on the nature of radicals, generated by X-radiolysis and peroxidation of linoleic acid. **Studia Biophysica**, v.96, N. 3, pp.149-154, (1983).

28. A.N. Osipov, **A.V. Iakh'iaev**, V.M. Savov, O.A. Azizova, Yu.A. Vladimirov. Study of free radicals formed in the Fe-ascorbate system under lipid peroxidation. **Biophysics** (Moscow), v.28, N. 2, pp.204-206, (1983).

Inventions:

1. O.A. Azizova, B.T. Velichkovsky, L.G. Korkina, A.N. Osipov, **A.V. Iakh'iaev**. "The macrophage phagocytic activity determination method" Patent of the USSR # 1200442 (1985)

2. **A.V. Iakh'iaev**, I.M. Voronkova, V.A. Sukhanov. "A method for preparation of the proteins and glycoproteins for the analysis with macromolecular probes" Patent of the USSR # 1681265 (1988)

Selected abstracts (published).

1. **Iakhiaev AV**, Rao LVM. Acute cholesterol depletion decreases cell surface expression of active tissue factor in fibroblasts. Blood v. 94, N. 10, Suppl. 1 (part 2 of 2), p. 74b, (2000)

2. **Iakhiaev A.**, U. Pendurthi, M. Ezban, L.V.M. Rao. Internalized factor VIIa but not the active site inactivated factor VIIa associates with nuclear fraction in fibroblasts. Blood v. 94, N. 10, Suppl. 1 (part 1 of 2), p260a, (2000)

3. **Iakhiaev A.V.**, W. Ruf, and LVM Rao. Inhibition of tissue factor-VIIa activity by tissue factor pathway inhibitor. Role of VIIa amino acid residues R36, E296, and Q176 in the inhibitory complex formation. Blood v. 94, N. 10, Suppl. 1 (part 1 of 2), p. 228a-229a, (1999)

4. **Yakhyaev A.V.**, I. Mikhailenko, D. Strickland, E.L. Saenko. Cellular uptake and degradation of thrombin activated factor VIII fragments. Blood v. 90, N. 10, Suppl. (part 1 of 2), p. 31a abstr. 126, (1997)

Manuscripts in preparation.

1. **Iakhiaev A.** et al. Intramolecular energy transfer channels in APC. (In preparation)

C. Research Support

1. UTHCT President's Council Research Membership Seed Grant 2002

Role in project: Principal Investigator

Status: completed

2. Project No.: 0565058Y, AHA Texas Affiliate, 7/1/2005-6/30/2007.
Beginning Grant-in-Aid (BGIA)

Title: Thrombomodulin-dependent catabolism of Protein C and Activated Protein C.

Extension until 06/30/2008

Role in project: Principal Investigator

Status: completed

3. Targeted Infusion project: Implementation the bioinformatics program at Texas College. Pending application, NSF HBCU-UP Program.

Role in project: Co-Principal Investigator

Status: pending

4. Implementation project: five-year program, **Science and Technology Empowerment (STE)**, for enhancing the quality of science, technology, engineering and mathematics (STEM) preparation.

Role in project: Co-principal Investigator

Status: pending

5. ASCB MAC Visiting Professor Award 2009

Role in project: Recipient of the award

Status: current

6. Intramolecular communication networks for biomechanical signaling in proteins.

Status: application in preparation 2011

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American European Partnership

State Educational Organization of Higher
Professional Education, Russian State
Medical University of the Federal Agency
of Health and Social Development.

ACADEMIC TRANSCRIPTS (appendix to diploma 3B 485697 (485647))

Issued in June 23, 1981

Registration number 814

Iakhiaev Alexei Vanatievich entered the Medico-Biological Faculty of the 2nd Moscow State Medical Institute named after N.I. Pirogov in 1975 and after completing the full program graduated in 1981 majoring in "Biophysics." A qualification of a Doctor-Biophysicist was granted. During the studies, he passed the tests, intermediate and final exams for the following classes:

#	Classes	Number of hours	Final Grades
1	History of the Communist Party of the Soviet Union	120	Good
2	Biology	317	Satisfactory
3	Chemistry	312	Satisfactory
4	Higher Mathematics	493	Good
5	Foreign Language	184	Good
6	Morphology	300	Good
7	Latin Language	36	Passed
8	Physical Education	140	Passed
9	Physics	420	Good
10	Genetics	215	Excellent
11	Philosophy	140	Good
12	Normal Physiology	227	Excellent
13	Biochemistry	207	Satisfactory
14	Military Training	254	Good
15	General Pathology	278	Satisfactory
16	Microbiology	140	Excellent
17	Biophysics	500	Excellent
18	Scientific Atheism	24	Good
19	Pharmacology	210	Excellent
20	Political Economics	100	Excellent
21	Biocybernetics	90	Passed
22	Immunology	140	Excellent
23	Therapy	285	Good
24	Surgery	248	Satisfactory
25	Neurology	149	Good
26	Radiobiology	140	Excellent
27	Pediatrics	45	Passed
28	Civil Defense	50	Passed
29	Soviet Law	36	Passed
30	Psychiatry	45	Passed
31	Space Medicine	45	Passed
32	Scientific Communism (state exam)	80	Good
Total hours, including lectures		5970	
Diploma "Study of peroxidation of unsaturated fatty acids using the spin trapping method."			Good

President of GOU VPO RGMU of the Russian Department of Health
Academician of the Russian Academy of Medical Sciences, professor

(SIGNATURE)

V.N. Yarygin

Dean of MBF RGMU, professor

(SEAL)

(SIGNATURE)

Y.V. Balyakin

Регистрационный номер 814

Яхьяев Алексей Ванатиевич поступил на Медико-биологический факультет 2-го Московского ордена Ленина государственного медицинского института им. Н.Н.Пирогова в 1975 г., окончил полный курс в 1981 г. по специальности «Биофизика». Присвоена квалификация врача-биофизика. За время обучения сдал зачеты, промежуточные и итоговые экзамены по следующим дисциплинам:

№	Наименование дисциплины	Количество часов	Итоговая оценка
1.	История КПСС	120	хорошо
2.	Биология	317	удовлетворительно
3.	Химия	312	удовлетворительно
4.	Высшая математика	493	хорошо
5.	Иностранный язык	184	хорошо
6.	Морфология	300	хорошо
7.	Латинский язык	36	зачет
8.	Физвоспитание	140	зачет
9.	Физика	420	хорошо
10.	Генетика	215	отлично
11.	Философия	140	хорошо
12.	Нормальная физиология	227	отлично
13.	Биохимия	207	удовлетворительно
14.	Военная подготовка	254	хорошо
15.	Общая патология	278	удовлетворительно
16.	Микробиология	140	отлично
17.	Биофизика	500	отлично
18.	Научный атеизм	24	хорошо
19.	Фармакология	210	отлично
20.	Политэкономия	100	отлично
21.	Биокибернетика	90	зачет
22.	Иммунология	140	отлично
23.	Терапия	285	хорошо
24.	Хирургия	248	удовлетворительно
25.	Неврология	149	хорошо
26.	Радиобиология	140	отлично
27.	Педиатрия	45	зачет
28.	Гражданская оборона	50	зачет
29.	Советское право	36	зачет
30.	Психиатрия	45	зачет
31.	Космическая медицина	45	зачет
32.	Научный коммунизм (гос. экзамен)	80	хорошо
Всего часов в т.ч. аудиторных		5970	
Диплом «Изучение перекисного окисления НЖК методом спиновых ловушек»			хорошо

РЕКТОР ГОУ ВПО РГМУ

Академик РАМН, профессор

Декан МБФ РГМУ, профессор



В.Н. ЯРЫГИН

Ю.В.БАЛЯКИН

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TRANSLATED FROM RUSSIAN

DIPLOMA 3B № 485647

The present Diploma is issued to Yakhyaev Alexey Vanatievich to certify that in the 1975 he entered 2-nd Moscow State Medical Institute named after N.I. Pirogov and in 1981 completed the full curriculum of the said Institute with specialization in biophysics.

By the decision of the State Examination Commission of June 23, 1981
Mr. Yakhyaev A.V. is awarded the qualification of a Doctor-Biophysicist.

Chairman of the State
Examination Commission
Rector
Secretary

(Signature)
(Signature)
(Signature)

Place of registration: City of Moscow, June 23, 1981
Registration No. 814

(Official Seal)

I hereby certify that the present English translation is true to the Russian Document.

Tamara Sherman
Tamara Sherman
President of Linguitronics

ДИПЛОМ
КАНДИДАТА НАУК

БЛ № 018727

Москва 30 сентября 1967 г.

Решением

Совета при УМНГ имени Лавина
и профессорский АНН СССР
от 11 июня 1967 г. (протокол № 8)

Ахьяеву Алексею Ванатиевичу

ПРИСУЖДЕНА УЧЕНАЯ СТЕПЕНЬ

КАНДИДАТА
БИОЛОГИЧЕСКИХ НАУК

Председатель совета

Ученый секретарь совета

