C u r r i c u l u m V i t a e

1. Personal Information

Name	**Ingrid Bahner**
Business Address	University of South Florida Morsani College of Medicine Department of Molecular Medicine 12901 Bruce B. Downs Blvd. MDC7 TAMPA FL 33612-4799
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Date of Birth	February 22, 1960
Place of Birth	Esslingen, Germany
Citizenship	United States of America

2. Education

1966-1970	Primary School	Grundschule Wäldenbronn, Esslingen, Germany
1970-1979	Secondary School	Ricarda-Huch-Gymnasium, Krefeld, Germany Abitur
1981-1983	Post Secondary	Lehranstalt für technische Assistenten in der Medizin, Medizinischen Einrichtungen der Universität Düsseldorf, Germany Medical-technical laboratory license
1991-1996	Graduate School	University of Southern California, USA Ph.D. in Microbiology
1997-2000	Postdoctoral	Beckman Research Institute of the City of Hope, Duarte CA Postdoctoral training in Molecular Biology

3. Professional Experiences

A. POSITIONS

1979-1981 Postal Carrier at the Hauptpost, Krefeld, Germany

1983-1986 **Abteilung Biochemie, Diabetes Forschungsinstitut an der Universität Düsseldorf, Germany**
Research Assistant with Dr. H.E. Meyer
Isolation and characterization of insulin receptor. Development of erythrocyte insulin receptor binding assay for the detection of insulin receptor auto-antibodies.

1986-1987 **Department of Obstetrics and Gynaecology, Ninewells Hospital, University of Dundee, Scotland**
Research Assistant III with Professor P.W. Howie
Development of immunoradiometric assay for α-1-fetoprotein, including characterization of different anti-α-1-fetoprotein monoclonal antibodies as well as purification and radiolabeling of α-1-fetoprotein.

1987-1989 **Department of Biochemistry and Microbiology, University of St. Andrews, Scotland and Scottish Crop Research Institute, Invergowrie, Scotland**
Research Assistant V with Dr. R.T. Hay and Dr. M. Mayo
Development of polyclonal antibodies to identify and elucidate the gene products and their function of (the then recently sequenced) potato leafroll virus. This knowledge was to be used to rationally design an appropriate ribozyme target.

1990-1991 **Division of Research Immunology and Bone Marrow Transplantation, Childrens Hospital Los Angeles, Los Angeles, CA**
Research Specialist II with Dr. D. B. Kohn
Packaging of retroviral vectors for gene therapy.

1991-1995 **Division of Research Immunology and Bone Marrow Transplantation, Childrens Hospital Los Angeles, Los Angeles, CA, and Department of Molecular Microbiology and Immunology, University of Southern California, Los Angeles, CA**
Graduate Student with Dr. D. B. Kohn
Development of biologically relevant *in-vitro* models to determine the efficacy of various anti-HIV-1 gene therapy constructs for stem cell gene therapy. Investigation of hematopoietic suppression associated with HIV-1 infection. Pre-clinical evaluation of bone marrow specimens from HIV(+) patients for gene therapy.

1996 **Division of Research Immunology and Bone Marrow Transplantation, Childrens Hospital Los Angeles, Los Angeles, CA**
Postdoctoral Fellow with Dr. D. B. Kohn
Development of biologically relevant *in-vitro* models to determine the efficacy of various anti-HIV-1 gene therapy constructs for stem cell gene therapy with a focus on thymic epithelial and thymic epithelial fragment culture systems.

1996-2001 **Department of Molecular Microbiology and Immunology, Keck School of Medicine, University of Southern California, Los Angeles, CA**
Medical Curriculum Coordinator

Revision, teaching and implementation of the Introductory Medical Microbiology and Immunology course for year II medical students in a traditional curriculum.

1997-2000 **Department of Molecular Biology, Beckman Research Institute of the City of Hope, Duarte, CA**
Postdoctoral Fellow with Dr. J.J. Rossi
Evaluation of ribozyme and other small RNA anti-HIV constructs in various biological models including SCID/hu mice. Comparison of various modified murine retroviral vectors and lentiviral vectors for their ability to transduce pluripotent hematopoietic stem cells. Optimization of intracellular expression and localization of ribozymes.

2000-2001 **Insert Therapeutics, Pasadena CA**
Senior Scientist
Evaluation of a polymer-based non-viral delivery system for the systemic delivery of DNA and small molecules for cancer and infectious disease.

2001-2008 **Department of Molecular Microbiology and Immunology, Keck School of Medicine, University of Southern California, Los Angeles, CA**
Clinical Assistant/Associate Professor
Discipline director for Clinical Immunology, Medical Microbiology and Infectious Disease for the integrated pre-clerkship medical curriculum. Course director for the graduate course 'Infection and the Host Response'.

Department of Pediatrics, Division of Research Immunology and Bone Marrow Transplantation, Childrens Hospital Los Angeles, Los Angeles, CA
Research Associate Professor
Pre-clinical evaluation of the anti-HIV gene *revM10* for lentiviral transduced autologous bone marrow stem cell gene therapy for HIV infections, including efficacy, feasibility, toxicity and safety studies for IND submission. Genetic engineering of the human immune system using cloned, melanoma specific T-cell receptors.

2008-present **Department of Molecular Medicine, University of South Florida, Morsani College of Medicine, Tampa FL**
Associate/Full Professor
Program director and course director for a variety of programs and courses in the medical education of Master of Science and Medical Degree students.

B. SOCIETY MEMBERSHIPS

2001-2008	American Society for Gene Therapy
2002-2016	American Society for Microbiology
2013-present	International Association of Medical Sciences Educator

4. Research and Other Professional Activities

A. MAJOR AREAS OF RESEARCH INTEREST

- **Basic science integration in a post Flexner era**
- **The role of scholarship in improving patient outcome**
- **The role of mentorship in student scholarship**
- **The role of resilience in pipeline programs**

B. RESEARCH IN PROGRESS

- Targeted intervention for mentors based on social cognitive career theory to increase research self-efficacy, research productivity, and persistence in scientific research careers with the goal to support entry of women and minorities into physician-scientist careers

C. GRANTS AND AWARDS

Educational Research Support

1. Site Director 5% effort
   NIH/NIGMS 1U01 GM132375-01
   Boosting MENTORS (Mentor Effectiveness Training of Research Scientists)
   Co-PI: Vineet Arora, Rachel K. Wolfson
   07/2019-07/2024
   Boosting MENTORS is an eight-site randomized control trial with the objective to improve mentoring for women and underrepresented minority (URM) pre-doctoral students during mentored-research experiences. The overall goal of the study is to diversify the physician-scientists pipeline through enhancing mentor training using Social Cognitive Career Theory

Completed Biomedical Research Support

1. Development of targeted and stable hammerhead ribozymes
   NIH Research Fellowship Award (# 1 F32 GM188898-01) 1997-2000.

2. Development of an HIV-1 integrase inhibitor assay
   UARP IDEA Award (# ID04-CHLA-001) 2004-2006

3. SIPAIID award: 2009

Completed Educational Support

1. Co-investigator for HRSA award #1 T08HP22562-01-00: 2011-2012: Scholarship for disadvantaged students, PI: Dr. William Johnson

Awards

1. Keystone Symposia on Molecular Biology of HIV 1996 travel grant
2. Outstanding teacher award, 2008, University of Southern California, Keck School of Medicine, (USC-KSOM).

D. CLINICAL TRIALS

Scientific Co-Investigator on the following clinical trials:

- BB-IND: #6753: Transduction of CD34+ cells from the bone marrow of HIV-1 infected children: comparative marking by an RRE decoy gene and a neutral gene. Principal Investigator: Dr. D.B. Kohn, Childrens Hospital Los Angeles, CCI#95-065

- BB-IND #6946: Transduction of CD34+ peripheral blood stem cells from HIV-1 infected persons: a phase 1 study of comparative marking using a ribozyme and a neutral gene. Principal Investigator: Dr. J.A. Zaia, City of Hope, IRB #96021, Sponsor: Ribozyme Pharmaceutical, Inc.

- BB-IND #6946 (follow up study): High dose chemotherapy and autologous peripheral stem cell transplantation for HIV lymphomas: a phase IIA study of comparative marking using a ribozyme gene and a neutral gene. Principal Investigator: Dr. J.A. Zaia, City of Hope, Sponsor: Ribozyme Pharmaceutical, Inc.

- Lentiviral mediated transfer of the humanized revM10 gene into CD34+ cells from HIV infected children. Principal investigator: Dr. D.B. Kohn, Childrens Hospital Los Angeles, CCI#07-0069

E. EDUCATIONAL ACTIVITIES

Past Educational Activities

- **Discipline Director**:
  - Clinical Immunology, Medical Microbiology and Infectious Disease in the integrated pre-clerkship curriculum, University of Southern California, Keck School of Medicine (USC-KSOM): 2001-2008

- **Course Director:**
  - UME 'Medical Immunology and Microbiology' USC-KSOM: 1996-2000
  - INTD 522 (graduate course) 'Infection and the Host Response', USC-KSOM
  - GMS 6100 (graduate course) 'Medical Microbiology', University of South Florida, Morsani College of Medicine (USF-MCOM): 2009-2011

- **Graduate Committee Member:**
  - Sarah Nightingale 2002-2006, USC-KSOM
  - Teiko Sumiyoshi 2006-2008, USC-KSOM

- **Program Director:**
  - Master of Science with a concentration in Molecular Medicine, USF-MCOM: 2010-2011

- **Co-Course Director:**
  - GMS 6141 (graduate course) 'Basic Medical Microbiology', USF-MCOM: 2012

- **Member:**
  - 2008-2015 Medical School Core Selection Committee
  - 2009-2012 Medical Curriculum Committee
  - 2010-2015 Medical School SELECT Selection Committee
  - 2012-2013 Executive Management Committee for Education

- 2014-2015 LCME self-study sub-committee:

Present Educational Activities

- **Program Director:**
  - Master of Science in Medical Sciences with a concentration in Interdisciplinary Medical Science (USF-MCOM pipeline program)

- **Course Director:**
  - GMS 6004 (graduate course) 'Introduction to Medical Sciences'
  - GMS 6871 (graduate course) 'Health Science Ethics'

- **Associate Course Director:**
  - BMS 6041 (UME course) 'Medical Sciences 5'

- **Director:**
  - Pre-clerkship Integration of Immunology, Microbiology, Infectious Disease
  - Clerkship Integration of Basic Science

- **Co- Director:**
  - Scholarly Concentrations Program

- **Co-Leader:**
  - Scholarly Concentration in Biomedical Research

- **Chair**
  - 2017-present Graduate Policy Committee

- **Member:**
  - 2010-present Graduate Education Committee
  - 2016-present Medical Curriculum Committee
  - 2016-present Graduate Council

- **Lecturer:**
  - Immunology
  - Microbiology
  - Infectious Disease

F. COMMITTEE

- Member of University Committees:
  - 2008-present IBC
  - 2009-2019 IRB
  - 2011-2017 Financial Oversight Committee
  - 2018-present Appointment, Promotion and Tenure Committee

- Member of National Committees:
  - 2016-2018 IAMSE Webinar Committee

- 2017-present IAMSE Student Professional Development Committee
- 2018-2019 IAMSE 2019 Program Committee

- Chair of National Committee:
  - 2018-present IAMSE Webinar Committee

G. REVIEWER

- 2011-2016 Vaccine
- 2013-present Medical Science Educator
- 2014-2018 18th, 19th, 20th, 22nd and 23rd annual IAMSE meeting abstracts

5. Publications

A. PEER-REVIEWED ARTICLES

Bahner,I.; Lamb,J.; Mayo,M.A. and Hay,R.T. **1990.** Expression of the genome of potato leafroll virus: readthrough of the coat protein termination codon *in vivo*. *J. Gen.Virol*. 71: 2251-2256.

Kohn,D.B.; Nolta,J.A.; Weinthal,J.; **Bahner,I.**; Yu,X-J.; Lilley,J. and Crooks,G.M. **1991.** Towards gene therapy for Gaucher Disease. *Hu. Gene Ther*. 2(2): 101-105.

Bedgood,R.M.; **Bahner,I**.; Kohn, D.B. and Stallcup, M.R. **1992**. Two different genes coding for processable and nonprocessable forms of a viral envelope protein can account for the apparent hormonal stimulation of protein processing W7MG1 lymphoma cells. *Mol.Endocrin*. 6(3): 459-467.

Nolta,J.A.; Yu,X-J.; **Bahner,I**. and Kohn, D.B. **1992**. Retroviral mediated transfer of the human glucocerebrosidase gene into cultured Gaucher bone marrow. *J.Clin.Invest*. 90(2): 342-348.

Bahner,I.; Zhou,C.; Yu,X-J.; Hao,Q-L.; Guatelli,J.C. and Kohn,D.B. **1993.** Comparison of *trans*-dominant inhibitory mutant human Immunodeficiency Virus Type 1 genes expressed by retroviral vectors in human T-Lymphocytes. *J.Virol*. 67(6): 3199-3207.

Zhou,C.; **Bahner, I.C**.; Larson,G.P.; Zaia,J.A.; Rossi,J.J. and Kohn, D.B. **1994.** Inhibition of HIV-1 in human T Lymphocytes by retrovirally transduced anti-tat and rev hammerhead ribozymes. *Gene* 149(1): 33-39.

Zhou,C.; **Bahner, I**.; Rossi,J.J. and Kohn, D.B. **1996.** Expression of hammerhead ribozyme by retroviral vectors to inhibit HIV-1 replication: Comparison of RNA levels and viral inhibition. *Antisense and Nucleic Acid Drug Development* 6: 17-24.

Bahner,I.; Kearns,K.; Hao,Q-L.; Smogorzewska,E.M. and Kohn,D.B. **1996.** Transduction of human CD34+ hematopoietic progenitor cells by a retroviral vector expressing an RRE decoy inhibits HIV-1 replication in myelomonocytic cells produced in long term culture. *J.Virol.* 70(7): 4352-4360.

Kearns,K.; **Bahner,I.**; Bauer, G.; Wen,S.F.; Valdez,P.; Wheeler,S.; Woods,L.; Miller,R.; Casciato,D.; Galpin,J.; Church,J. and Kohn, D.B. **1997**. Suitability of bone marrow from HIV-1 infected donors for retroviral-mediated gene transfer. *Hu. Gene Ther*. 8: 301-311.

Bauer,G.; Valdez,P.; Kearns,K.; **Bahner,I.**; Wen,S.F.; Zaia,J. and Kohn,D.B. **1997.** Inhibition of HIV-1 replication after transduction of G-CSF-mobilized CD34+ cells from HIV-1-infected donors using retroviral vectors containing anti-HIV-1 genes. *Blood* 89: 2259-2267.

Bahner,I.; Kearns,K.; Coutinho,S.; Leonard,E.H. and Kohn,D.B. **1997.** Infection of marrow stroma by HIV-1 is both required and sufficient for HIV-1 induced hematopoietic suppression *in vitro*: Demonstration by gene-modification of primary human stroma. *Blood* 90(5): 1784-1798.

Verma,S.; Woffendin,C.; **Bahner,I.**; Ranga,U.; Xu,L; Yang,Z.-Y., Kohn,D.B. and Nabel,G.J. **1998.** Gene transfer into human umbilical cord blood-derived $CD34^+$ cells by particle-mediated gene transfer. *Gene Therapy* 5(5): 692-699.

Kohn,D.B.; Bauer,G.H.; Valdez,P.; Rice,C.R.; Rothschild,J.C.; Carbonaro,D., Brody,K., Hao,Q.L.; Zhou,C.; **Bahner, I.**; Kearns,K.; Fox,S.; Haden,E.; Wilson,K.; Salata,C.; Dolan,C.; Wetter,C.; Aguilar-Cordova,E. and Church,J.A. **1999.** A clinical trial of retroviral-mediated transfer of an RRE decoy gene into CD34+ cells from the bone marrow of HIV-1 infected children. *Blood* 94: 368-371

Michienzi,A.; Cagnon,L.; **Bahner,I**. and Rossi,J.J. **2000.** Ribozyme-mediated inhibition of HIV-1 suggests nucleolar trafficking of HIV-1 RNAs.. *Proc.Nat.Acad.Sci*. 97(16): 8955-8960

Unwalla,H.J.; Li,H.-T.; **Bahner,I**.; Li,M.-J.; Kohn,D. and Rossi, J.J. **2006.**. Novel polII fusion promoter directs human immunodeficiency virus type 1-inducible coexpression of a short hairpin RNA and protein. *J.Virol*. 80(4): 1863-1873.

Nightingale,S; Hollis,R.P.; Pepper,K.A.; Peterson,D.; Yu,X.-J.; Yang,C; **Bahner,I**.; and Kohn,D.B. **2006**. Transient gene expression by non-integrating lentiviral vectors (NIL) vectors. *Mol Ther* 13(6): 1121-1132.

Bahner,I.; Sumiyoshi,T.; Kagoda,M.; Swartout,R.; Peterson,D.; Pepper,K., Dorey,F.; Reisser,J. and Kohn.D.B. **2007**. Lentiviral vector transduction of a dominant–negative *Rev* gene into human hematopoietic progenitor cells potently inhibits HIV-1 replication. *Mol Ther* 15(1): 76-85.

Taylor,J.A.; Vojtech,L.; **Bahner,I.**; Kohn,D.B.; Von Laer,D.; Russell,D.W. and Richard,R.E. **2008**. Foamy Virus Vectors Expressing Anti-HIV Transgenes Efficiently Block HIV-1 Replication. *Mol Ther* 16(1): 46-51.

Huang,S.H.; Wu,C.H.; Jiang,S.; **Bahner,I**.; Lossinsky,A.S. and Jong,A.Y. **2011**. HIV-1 gp41 ectodomain enhances Cryptococcus neoformans binding to human brain microvascular endothelial cells via gp41 core-induced membrane activities. *Biochem.J*. 438,3: 457-466.

Bahner,I.; Somboonwit,C.; Pross,S.; Collins,R.J. and Saporta,S. **2012** Teaching Science Through Biomedical Research In An Elective Curriculum *Medical Science Educator* 22,3s: 143-146.

Giannoni,F.; Hardee,C.L.; Wherley,J.; Gschweng,E.; Senadheera,S.; Kaufman,M.L.; Chan,R.; **Bahner,I**.; Gersuk,V.; Wang,X.; Gjertson,D.; Baltimore,D.; Witte,O.N.; Economou,J.S.; Ribas,A. and Kohn,D.B. **2013**. Allelic Exclusion and Peripheral Reconstitution by TCR transgenic T cells arising from transduced human hematopoietic stem/progenitor cells. *Mol Ther* 21,5: 1044-1054.

Bahner,I.; Stevenson,F. and Zwygart,K. **2015**. Vertical Integration of Basic Science: Returning the Basic Sciences to the Final Medical School Year using Individuated, Career-Specific Short Courses *Med*. *Sci*. *Educ*. 25,4:481-482

Ahmad,M.U.; Hanna,A.; Mohamed,A.Z.; Schlindwein,A.; Pley,C.; **Bahner,I.**; Mhaskar,R.; Pettigrew,G.J. and Jarmi,T. **2019**. A Systematic Review of Opt-out Versus Opt-in Consent on Deceased Organ Donation and Transplantation (2006-2016).*World J. Surg.* 43,12: 3161-3171.

Wolfson,R.K.; Alberson,K.; **Bahner,I.;** Baxa,D.; Beach,M.,C.; Chretien,K.C.; Lin,J.; Meurer,L.N.; Mullan,P.; Ropson,I.; Sawarynski,K.; Schoenbaum.E.; Williams,B.; Zier,K. and Arora,V.M. Association of Student Gender and Minority Status with Mentor Selection and Outcomes in Scholarly Concentration Programs *manuscript in preparation*

B. ORAL PRESENTATIONS

Bahner,I.; Zhou,C.; Yu,X.-J.; Hao,Q.-L. and Kohn,D.B. **1992.** Comparison of trans-dominant inhibitory mutant HIV-1 genes expressed by retroviral vectors in human T Lymphocytes. *III. International Symposium on Catalytic RNAs (Ribozymes) and Targeted Gene Therapy for the Treatment of HIV Infection.*

Bahner,I.; Zhou,C.; Hao,Q.-L., Larson,G.; Rossi,J. and Kohn,D.B. **1993.** Gene therapy for AIDS: Retroviral vectors encoding antisense RNA, ribozymes and trans-dominant inhibitory mutant HIV-1 genes. *IXth International Conference on AIDS, Berlin 1993* #WS-A20-4.

Bahner,I. and Kohn,D.B. **1994.** Hematopoietic suppression by HIV-1 is reversed by gene therapy of stromal cells. *The 1994 UCLA/UCI AIDS Symposium*.

Bahner,I.; Kearns,K.; Bauer,G. and Kohn,D.B. **1996**. Gene transduction of CD34+ progenitor cells and long term culture initiating cell (LTCIC) from bone marrow of pediatric AIDS patients. *Keystone Symposia on Molecular Biology of HIV 1996* #401.

Bahner,I.; Hong,R. and Kohn,D.B. **1996.** In vitro system to examine CD34+ differentiation in presence and absence of HIV. *Immune Restoration Think Tank VI: The Dobsen Project, Atlanta, Georgia 1996.*

Bahner,I.; Kagoda,M.; Neamati,N. and Kohn,D.B. **2006.** Development of an HIV-1 integrase inhibitor assay. *21st UARP HIV/AIDS Investigators' Meeting*

Bahner,I.; Hardee,C.; and Kohn,D.B. **2007.** CD34+ cell medicated manipulations of the immune response. *Division of Allergy and Immunology, All Childrens Hospital, St. Petersburg FL*

Bahner,I.; Giannoni,F.; Hardee,C.; and Kohn,D.B. **2008.** CD34+ cell medicated manipulations of the immune response. *Department of Molecular Medicine, USF, Tampa FL*

Bahner,I.; **2013**. Teaching Scientific Research Skills in an Elective Curriculum: Obstacles, Opportunities and Outcome *IAMSE Webinar February 14*

Bahner,I. Schocken,D.; Somboonwit,C.; Collins,R.J.; and Pross,S.H. **2013** Contributions of the scholarly concentration program in biomedical research to the scientific competencies of the core medical curriculum. *17th Annual IAMSE conference, St. Andrews, Scotland*

Bahner,I. Pross,S.H., Collins, R.J. and Pierce,E. **2016**. Do Scholarly Concentrations Programs Lead To Scholarship Beyond Medical School? *20th Annual IAMSE conference, Leiden, Netherlands.*

C. WORKSHOPS

Bahner,I.; Nazian,S.J.; Stevenson,F.T.; **2013**. Designing "return to basic science" curricula for senior health science students. *17th Annual IAMSE conference*

Bahner,I.; Pross,S.H and Mechaber, A.J. **2014**. Do Scholarly Concentration Programs Contribute To Lasting Scholarship? *2014 Southern GEA Spring Meeting*

Pross,S. and **Bahner,I**. **2014**. Scholarly Concentrations Program – How to Successfully Foster Medical Student Scholarship. *18th Annual IAMSE conference*

Bahner,I. **2014** Building a Better Scholarly Concentration Experience: Program Format and Student Performance. Panel member of this workshop held at the *2014 Annual AAMC meeting*.

Bahner, I. and Livingston,H. **2015**. Postbaccalaureate programs: challenges to recruit and retain a diverse student body from disadvantaged backgrounds. *2015 Southern GEA Spring Meeting*

Student Professional Development Committee **2019**. Mentoring 101: How to be an Effective Mentee. *23rd Annual IAMSE conference*

D. MEETING REPORTS

Slivkoff,M.D.; **Bahner,I.**; Bonaminio,G.; Brenneman,A.; Brooks,W.; Chinn,C.; El-Sawi,N.; Haight,M.; Hurtubise,L.; McAuley,R.; Michaelsen,V.; Rowe,R.; Vari,R.C.; Yoon,M. Evolution and Revolution in Medical Education: Technology in the Twenty-First Century, an IAMSE Webcast Audio Seminar Series, Fall 2018 **2019** *Med.Sci.Educ*. 29,1: 333-337**.** https://doi.org/10.1007/s40670-018-00681-2

Brooks, W.S.; Slivkoff;,M.D.; Haight,M; **Bahner,I.**; Bonaminio,G.; Brenneman,A; Chinn,C; El-Sawi,N; Hurtubise,L.; McAuley,R.; Michaelsen,V.; Rowe,R.; Vari;,R.C.; Yoon,M. **2019** The Learning Environment in Health Sciences Education, an IAMSE Webcast Audio Seminar Series, Winter 2019 *Med.Sci.Educ*. 29,2: 609-614. https://doi.org/10.1007/s40670-019-00728-y

Slivkoff,M.D.; **Bahner,I.**; Bonaminio,G.; Brenneman,A.; Brooks,W.; Chinn,C.; El-Sawi,N.; Haight,M.; Hurtubise,L.; McAuley,R.; Michaelsen,V.; Rowe,R.; Vari,R.C.; Yoon,M. The Role of Basic Science in 21st Century Medical Education, Spring 2019 *Med.Sci.Educ***. 2019** 29,3: 881–883. https://link.springer.com/article/10.1007/s40670-019-00760-y

Belovich,A.N.; **Bahner,I.**; Bonaminio,G.; Brenneman,A.; Brooks,W.S.; El-Sawi,N.; Gilliland,K.; Richard Gonzalez,R.; Haudek,S.; Haight,M.; Jones,L.; McAuley,R.J.; Mortensen,l.; Rowe,R.; Slivkoff,M.D.; Vari,R.C. and Yoon,M. Re-imagining Faculty Development in Health Professions Education, Fall 2019 *Med.Sci.Educ***.** *in press*

E. INVITED BOOK CHAPTERS

Bahner,I. **1999** Retroviral vector mediated intracellular delivery of ribozyme genes. In: Rossi, J.J. and Couture, L.A. (eds.) Intracellular ribozyme applications. Horizon Scientific Press, Norfolk, England, pp. 139-187

F. MOST RECENT ABSTRACTS (OUT OF 35)

Bahner,I.; Vari,R.; Hurtubise,L.; Haight,M.; Bonaminio,G.; Hall,E.; El-Sawi,N.; Finnerty,P.; Hinkle,B.; McAuley,R.; Michaelsen,V.; Rowe,R.; Strandhoy,J. and Yoon,M. **2017**. Building a community of health science educators: the impact of the IAMSE webinar *21st annual IAMSE conference, nominated for poster award*

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