LIFE Section and IAA Mortality Working Group present:

The Shape of Water, Genetics, E-cigarettes, and Diabetes

Registration is now open!

Join us on March 27th, 2019
10 am EST / 3pm CET

Abstract:

“The Shape of Water” won an Academy Award last year. There have been similarly exciting developments in genetics, e-cigarettes and diabetes, which are important to the life and health insurance industry. The first presentation will start with a basic education on genetics, followed by topics including what can be found within a genetic test, the potential for anti-selection, and global regulatory practices on genetics. It will conclude with an introduction to epigenetics.

The second presentation will cover the use and controversies related to electronic-cigarettes, which have recently grown in many countries. Its objective is to explore the issues involved, including possible health effects of and the relationships between vaping (e-cigarette smoking) and combustible tobacco cigarette smoking.

The final presentation will be on diabetes, which is a serious condition that affects many world-wide. The basics of the disease, its prevalence, cost, treatment and financial burden will be covered. In addition, recent research performed at the University of California, Santa Barbara into the links between obesity and diabetes will be presented.

This session was initially presented at the 2018 Society of Actuaries annual meeting. While it didn’t win an Academy Award, it did win an “Outstanding Session Award”.

SPEAKERS

Al Klein, FSA, MAAA

Al is a principal and consulting actuary with Milliman’s Buffalo Grove / Chicago office. He joined the firm in 2009. Al’s primary responsibilities include industry experience studies and helping clients with mortality, longevity, and underwriting related issues. Al’s expertise on mortality and underwriting includes traditional products, simplified issue, final expense, older age, and preferred. He has also consulted with several InsurTech companies, helping them enter the life insurance marketplace. Prior to joining Milliman, Al worked for a large stock life insurance company where he was responsible for experience studies across all lines of business. He has also worked for other life insurance companies, a reinsurer and consultant, where he has been responsible for strategic planning, product development and traditional reinsurance.

Al is a frequent speaker and currently involved with a number of industry activities, including:

- Co-Vice Chair for the Mortality Working Group (MWG) of the International Actuarial Association
- MWG Chair of: Research projects, Underwriting Around the World, Long Term Drivers of Future Mortality
- Other MWG activities: E-cigarettes, International Cause of Death Trends
- SOA Mortality and Longevity Team
- Member of SOA team to develop consistent framework for US mortality improvement assumptions, SOA Life Insurance Mortality and Underwriting Survey Committee
- Chair of SOA Mortality Improvement Survey Subcommittee
- Chair of SOA Underwriting Issues and Innovation Seminar Planning Committee
- 2015 SOA Valuation Basic Table Development Team
- Longer Life Foundation Advisory Board

Recent awards include:
- A SOA 2017 Outstanding Volunteer
- First place SOA Product Development Section Call for Essays (2018)
- SOA 2016 and 2018 Outstanding Session

Al received a Bachelor of Science degree in Actuarial Science and Finance from the U. of Illinois, Urbana

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**Sam Gutterman, FSA, CERA, FCA, FCAS, HONFIA, MAAA**

Sam is a retired consulting actuary whose interests span insurance, social insurance, valuation, accounting, demography and the environment. Prior to his retirement in 2014, he provided actuarial consulting and audit services to a wide range of life, health and property & casualty insurance companies, self-insureds and government agencies. He served as President of the Society of Actuaries and chair of numerous committees of the SOA, International Actuarial Association (IAA), American Academy of Actuaries and the Casualty Actuarial Society. He was the author of the SOA book on Life Insurance Company Expenses. He previously served as co-vice-chair of the IAA’s Population Issues Working Group and is the vice-chair of the IAA’s Resources & Environment Working Group. He is a member of the SOA’s Longevity and Living to 100 Committees and the IAA Mortality Working Group. He has served on four technical panels on the U.S. Social Security and Medicare systems. He has also contributed several papers to the North American Actuarial Journal on the topics of accounting, mortality, smoking and obesity.

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**Ian G. Duncan, FSA, FCIA, FIA, MAAA**

Mr. Duncan is Adjunct Professor of Actuarial Statistics at the University of California Santa Barbara and president of Santa Barbara Actuaries Inc., a provider of healthcare predictive modeling services. Mr. Duncan holds a graduate degree in economics from Balliol College, Oxford and is a post-graduate research student at Heriot-Watt University, Edinburgh. He is a fellow of the Society of Actuaries, the Institute of Actuaries, the Conference of Consulting Actuaries and the Canadian Institute of Actuaries, a Certified Specialist in Predictive Analytics (CAS) and a Member of the American Academy of Actuaries. He is active in public policy and healthcare reform and served on the board of directors of the Commonwealth of Massachusetts Health Insurance Connector Authority from
2007-2014. He was also a member of the board of the Society of Actuaries (2012-5). Since retiring in 2011 from Solucia Consulting, the company he founded in 1998, he has been a Professor in the Department of Statistics & Applied Probability at UCSB, where he teaches courses in financial mathematics and life contingencies and a graduate seminar in actuarial research. He is the author of numerous peer-reviewed papers, and several books and book chapters. His latest book, a second edition of “Healthcare Risk Adjustment and Predictive Modeling” (Actex Publications) was published in May 2018. Email: duncan@pstat.ucsb.edu.

MODERATOR

Dr. Lars Pralle, Actuary (DAV), CERA

Lars is working for SCOR since 2010, with a focus on global life underwriting risks. He is member of the IAA Enterprise and Financial risks committee, the Mortality Working Group and IAA delegate to the Life Section Board.

REGISTRATION AND PARTICIPATION

This webinar is free for IAA LIFE section members and IAA Mortality Working Group members! To register, click here.

Not a member? You can participate in the webinar too, by joining LIFE (nominal fee of $50 Cdn)

In addition to free participation in this webcast, your annual membership also will grant you:

- Free participation in upcoming webinars until December 31, 2019
- Full access to a wealth of online resources, including recordings of past webcasts current reference lists and a repository of documentation specifically related to LIFE Section

This webinar may qualify for CPD credits with your Association. A confirmation certificate will be emailed to you after the event.

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