Biography

Dr. Hadi Yassine is an assistant professor of infectious diseases at Qatar University Biomedical Research Center since fall of 2015. His research and teaching experiences have been fostered by several years of intensive work at state-of-the-art and multi-disciplinary institutions.

Dr. Yassine earned his Maitrises-es degree from Lebanese University (LU; 2001), his M.Sc. degree from American University of Beirut (AUB; 2003) and then his Ph.D. from The Ohio State University (OSU; 2009). After graduating from OSU, Dr. Yassine worked at the Vaccine Research Center (VRC)-National Institute of Health (NIH) for over five years as a postdoctoral fellow and research fellow.

Dr. Yassine research interests span a wide range of topics in the basic and applied biology fields, including virology, immunology, molecular diagnostics, vaccine development, as well as proteins and antibodies engineering.

Dr. have published more than 26 papers (cited more than 950 times based on google scholar), some of which are in top-tier scientific journals like Nature, Nature Medicine, Cell and Lancet Infectious Diseases. He also received several awards in recognition of my work and filed four patents on new designs of influenza vaccines.

السيرة ذاتية

الدكتور هادي ياسين هو أستاذ مساعد-قسم الأمراض المعدية- في مركز البحوث الطبية في جامعة قطر منذ ايلول/سبتمبر، 2015. اكتسب الدكتور هادي ياسين خبراته البحثية والعلمية من خلال العمل الجاد والمكثف في مؤسسات علمية وأكاديمية عالمية مرموقة.

حصل الدكتور ياسين على شهادة الماتريز من الجامعة اللبنانية (LU) عام 2001، ثم شهادة الماجستير من الجامعة الأميركية في بيروت (AUB) عام 2003، ثم على درجة الدكتوراه من جامعة ولاية أوهايو (OSU) في عام 2009. وبعد تخرجه من جامعة ولاية أوهايو، عمل الدكتور ياسين كباحث في مركز بحوث اللقاحات (VRC) - المعهد الوطني للصحة (NIH) لأكثر من خمس سنوات.

الاهتمامات البحثية للدكتور ياسين تغطي مجموعة واسعة من المواضيع في مجالات البيولوجيا الأساسية والتطبيقية، بما في ذلك الفيروسات والمناعة والتشخيص الجزيئي وتطوير اللقاحات، وكذلك هندسة البروتينات و الأجسام المضادة.

نشر الدكتور ياسين أكثر من 26 ورقة علمية (استشهد بها أكثر من 950 مرة على أساس محرك البحث Google Scholar)، بعضها في المجلات العلمية الدرجة الاولى مثل ناتشير(Nature)، ناتشير ميديسين (Nature Medicine)، سل (Cell) و لانسيت الأمراض المعدية (Lancet Infectious Diseases). كما استلم العديد من الجوائز تقديرا لعمله وقدم اربع براءات اختراع على تصاميم جديدة للقاحات الأنفلونزا.

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Employment:

2015-Current	Assistant Professor	Biomedical Research Center, Qatar University	Doha, Qatar
2014-2015	Research Fellow	Vaccine Research Center, National Institute of Health	Bethesda, MD, USA
2014-2015	Adjunct Professor	Biology Department, Catholic University of America	Washington D.C., USA
2010-2014	Postdoctoral fellow	Vaccine Research Center, NIH	Bethesda, MD, USA
2009-2010	Postdoctoral fellow	Food Animal Health Research Program, The Ohio State University	Columbus, OH, USA
2003-2004	Research assistant	Department of Biology American University of Beirut	Beirut, Lebanon

Education:

2004-2009	Graduate Research Associate; Ph.D.	Virology/ Infectious diseases	The Ohio State University	Columbus, OH, USA
2001-2003	Graduate Teaching Assistant; M.Sc.	Biology/ Microbiology	American University of Beirut	Beirut, Lebanon
1996-2000	Maitrises-es Sciences (Four years)	Biology/ Zoology	Lebanese University	Al-Hadath, Lebanon

Teaching Experience

- ***Fall 2015-current:*** Instructor, Biom324-Medical Virology. Biomedical Sciences Program, College of Arts and Sciences, QU, Doha, Qatar.

- ***Fall 2014:*** Instructor, Bio557- Molecular biotechnology (Master's course). Biology Department, CUA, Washington D.C., USA.

- ***2001-2003:*** Graduate teaching assistant, General Biology II Lab and Plant Physiology Lab. Biology Department, AUB, Beirut, Lebanon.

- ***2001-2003:*** High school teacher, Biology. Beirut, Lebanon.

- ***2001-2003:*** Technical nursing school teacher, Anatomy & Physiology. Beirut, Lebanon.

- Developed and coordinated several workshops on topics like emerging infectious diseases, cell culture, and scientific research for high school students.

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- Scientists Teaching Science workshop. NIH. February 27, 2013. (Attending)

- Scientists Teaching Science 9-week course. NIH. Spring, 2013. (Attending)

- Guided and mentored several undergraduate students, graduate students, and visiting scholars at AUB, OSU, NIH, and QU.

Research Experience and Interests:

- ***2015-currents:*** QU-BRC. Virology, immunology, and epidemiology.
  1) Estimating the burden of viral gastroenteritis and effectiveness of rotavirus vaccine in young children in Qatar (2016 NPRP award).
  2) Measuring Influenza Hemagglutinin Stem-Specific ADCC and CDC Activities in Human Sera Using Novel Stabilized Stem Probes (2016 QU internal grant award).
  3) Laboratory-based surveillance and molecular epidemiology of influenza and other respiratory viruses in Qatar:2012-2016 (In collaboration with MoPH and HMC).
  4) Magnitude of RSV Fusion Protein-Specific Antibodies in Infants and Corresponding Mothers in Qatar (in collaboration with PEC-HMC).
  5) Characterization of humoral immune response to MERS-CoV infections.
  6) Antibiotic resistant bacteria in pediatrics.

- ***2010-2015:*** Virology Laboratory and Viral Pathogenesis and Translational Science Core (VPTS), VRC, NIAID, NIH. Virology, immunology, and vaccinology.
  1) Development of universal influenza vaccine.

2) Characterization of influenza broadly neutralizing antibodies;
3) RSV and HKU1 coronavirus replication and pathogenesis.
PIs: Dr. Barney S. Graham, Dr. John R. Mascola, and Dr. Gary J. Nabel.

- ***2004-2010:*** Food Animal Health Research Program, OARDC, OSU. Virology and infectious diseases.
  1) Genetic and antigenic characterization of influenza A viruses.
  2) Interspecies and intraspecies transmission of Influenza A viruses (H3N2 and H1N1 subtypes).
  3) Efficacy of commercial recombinant Newcastle Disease Virus (NDV) vaccines in turkeys.

  PI: Dr. Yehia M. Saif.

- ***2003-2004:*** Department of Biology, AUB. Environmental microbiology.
  1) Isolation and molecular characterization of antibiotic resistant bacteria from Lebanese food and environment.

  PI: Dr. Steve Harakeh.

- ***2001-2003:*** Department of Biology, AUB. Molecular microbiology.
  1) Generation and characterization of temperature-sensitive mutants in *E. coli* cell division genes.

  PI: Dr. Medhat Khattar

Review Articles and Book Chapters

1. Interspecies Transmission of Influenza A Viruses between Swine and Poultry. **Yassine HM**, Lee CW, and Saif YM. ***Current Topics in Microbiology and Immunology***. (2013); 370:227-40.

2. Interspecies and Intraspecies Transmission of Influenza A Viruses: Host, Viral and Environmental Factors. **Yassine HM**, Lee CW, Gourapura R, Saif YM. ***Animal Health Research Reviews***. (2010) Jun; 11(1):53-72.

Research Articles

1. Convergent gene rearrangement of influenza-specific antibodies with Group 1/ Group 2 neutralizing activity. Joyce MG, Wheatley AK, , Thomas PV, Chuang GY, Soto C, Bailer RT, Druz A, Georgiev IS, Kong WP, Leung K, Narpala SN, Prabhakaran MS, Yang ES, Zhang B, Zhang Y, Asokan M, Boyington JC, Bylund T, Darko S, Kanekiyo M, Lees CR, Ransier A, Shen CH, Wang L, Whittle JR, Wu X, **Yassine HM**, Tsybovsky Y, Baxa U, NISC Comparative Sequencing Program, Mullikin JC, Douek DC, Graham BS, Koup RA, Ledgerwood JE, Roederer M, Shapiro L, Kwong PD, Mascola JR and McDermott AB. ***Cell***. (2016) Jul;166(3):609-23.

2. Prefusion structure of a human coronavirus spike protein. Kirchdoerfer RN, Cottrell CA, Wang N, Pallesen J, **Yassine HM**, Turner HL, Corbett KS, Graham BS , McLellan JS, Ward AB. ***Nature***. (2016) Mar; 531(7592):118-21.

3. Prefusion F-specific antibodies determine the magnitude of RSV neutralizing activity in human sera. Ngwuta JO, Chen M, Modjarrad K, Joyce MG, Kanekiyo M, Kumar A, **Yassine HM**, Moin SM, Killikelly AM, Chuang GY, Druz A, Georgiev IS, Rundlet EJ, Sastry M, Jones GS, Yang Y, Zhang B, Nason M, Capella C, Peeples M, Ledgerwood JE, McLellan JS, Kwong PD, Graham BS. ***Science Translational Medicine.*** (2015) Oct; 7(309):309ra162.

4. Hemagglutinin-stem nanoparticles generate heterosubtypic influenza protection. **Yassine HM**, Boyington JC, McTamney PM, Wei CJ, Kanekiyo M, Kong WP, Gallagher JR, Wang L, Zhang Y, Joyce MG, Lingwood D, Moin SM, Andersen H, Okuno Y, Rao SS, Harris AK, Kwong PD, Mascola JR, Nabel GJ, Graham BS. ***Nature Medicine***. (2015) Sep; 21(9):1065-70.

5. Evaluation of candidate vaccine approaches for MERS-CoV. Wang L, Shi W, Joyce MG, Modjarrad K, Zhang Y, Leung K, Zhou T, **Yassine HM**, Kanekiyo K, Yang ZY, Lees C, Becker M, Subbarao K, Denison M, Rao S, Kwong P, Mascola, Kong WP, Graham B. ***Nature Communications***. (2015) Jul; 6:7712.

6. H5N1 vaccine-elicited memory B cells are genetically constrained by the IGHV locus in the recognition of a neutralizing epitope in the HA stem. Wheatley AK, Whittle JR, Lingwood D, Kanekiyo M, **Yassine HM**, Ma SS, Narpala SR, Prabhakaran MS, Matus-Nicodemos RA, Bailer RT, Ledgerwood JE, Nabel GJ, Graham BS, Koup RA, McDermott AB. ***Journal of Immunology.*** (2015) Jul; 195(2):602-10.

7. Flow cytometry reveals that H5N1 vaccination elicits cross-reactive stem-directed antibodies from multiple Ig heavy chain lineages. Whittle JR, Wheatley AK, Wu L, Lingwood D, Kanekiyo M, Ma SS, Narpala SR, **Yassine HM**, Frank G, Yewdell J, Ledgerwood JE, Wei CJ, McDermott AB, Graham BS, Koup RA, Nabel GJ. ***Journal of Virology***. (2014) Apr; 88(8):4047-57.

8. A Self-Assembling Influenza Nanoparticle Vaccine Elicits Broadly Neutralizing Antibodies. Kanekiyo M, Wei CJ, **Yassine HM**, McTamney PM, Boyington JC, Whittle JR, Kong WP, Wang L, and Nabel GJ. ***Nature*****.** (2013) Jul; 499(7456):102-6.

9. Replication of swine and human influenza viruses in juvenile and layer turkey hens. Ali A, **Yassine H,** Lee CW, and Saif YM. ***Veterinary Microbiology*****.** (2013) Apr; 163(1-2):71-8.

10. Structural and Genetic Basis for Development of Broadly Neutralizing Influenza Antibodies. Lingwood D*, McTamney PM*,**Yassine HM***, Whittle JR, Guo X, Boyington JC, Wei CJ, Nabel GJ. ***Nature.*** (2012) Sep; 489(7417):566-70. **(* Equal contribution; Listed alphabetically)**.

11. Elicitation of Broadly Neutralizing Influenza Antibodies in Animals with Previous Influenza Exposure. Wei CJ, **Yassine HM**, McTamney PM, Gall JG, Whittle JR, Boyington JC, Nabel GJ. ***Science Translational Medicine.*** (2012) Aug; 4(147):147ra114.

12. DNA Priming Improves Influenza Vaccine Immunogenicity in Randomized Phase I Clinical Trials. Ledgerwood JE, Wei CJ, Hu Z, Gordon IJ, Enama ME, Hendel CS, McTamney PM, Pearce MB, **Yassine HM**, Boyington JC, Bailer R, Tumpey TM, Koup RA, Mascola JR, Nabel

GJ, Graham BS and the VRC 306 Study Team. ***Lancet Infectious Diseases.*** (2011) Dec; 11(12):916-24.

13. Characterization of an H3N2 Triple Reassortant Influenza Virus with A Mutation at the Receptor Binding Domain (Asp190Ala) that Occurred Upon Virus Transmission from Turkeys to Pigs. **Yassine HM**, Khatri M, Lee CW, Saif YM. ***Virology Journal.*** (2010) Sep; 7:258.

14. Potential Role of Viral Surface Glycoproteins in the Replication of H3N2 Triple Reassortant Influenza A viruses in Swine and Turkeys. **Yassine HM**, Khatri M, Lee CW, Saif YM. ***Veterinary Microbiology.*** (2011) Mar; 148(2-4):175-82.

15. Developing Live Attenuated Avian Influenza Virus *in-ovo* Vaccines for Poultry. Wang L, **Yassine HM,** Saif YM, Lee CW. ***Avian Diseases.*** (2010); 54(s1):297-301.

16. The High Susceptibility of Turkeys to Influenza Viruses of Different Origins Implies Their Importance as Potential Intermediate Host. Pillai SP, Suarez DL, Pantin-Jackwood , **Yassine HM**, Saif YM, C.W. Lee. ***Avian Diseases.*** (2010); 54(s1):522-526. Review.

17. Genetic Characterization of Triple Reassortant H1N1 Influenza A Viruses from Swine in Ohio. **Yassine HM**, Khatri M, Zhang YJ, Lee CW, Byrum BA, O'Quin J, Smith KA, Saif YM. ***Veterinary Microbiology.*** (2009) Oct; 139(1-2):132-9.

18. Pathobiology of Triple Reassortant H3N2 Influenza Viruses in Breeder Turkeys and its Potential Implication for Vaccine Studies in Turkeys. Pillai SP, Pantin-Jackwood M, Jadhao SJ, Suarez DL, Wang L, **Yassine HM**, Saif YM, Lee CW. ***Vaccine.*** (2009) Feb; 27(6):819-24.

19. Genetic and Antigenic Relatedness of H3 Subtype Influenza AViruses Isolated from Avian and Mammalian Species. **Yassine HM**, Lee CW, Suarez DL, Saif YM. ***Vaccine.*** (2008) Feb; 26: 966—977.

20. Interspecies and Intraspecies Transmission of Triple Reassortant H3N2 Influenza A Viruses. **Yassine HM**, Al-Natour MQ, Lee CW, and Saif YM. ***Virology Journal.*** (2007) Nov; 4(1):129.

21. Antimicrobial-Resistance of *Streptococcus pneumoniae* Isolated from the Lebanese Environment. Harakeh S, **Yassine H**, El-Fadel M. ***Marine Environmental Research.*** (2006) Sep; 62(3):181-93.

22. Isolates of *Staphylococcus aureus* and *saprophyticus* Resistant to Antimicrobials Isolated from the Lebanese Aquatic Environment. Harakeh S, **Yassine H**, Hajjar S, El-Fadel M. ***Marine Pollution Bulletin.*** (2006) Aug; 52(8):912-9.

23. Antimicrobial-Resistant Patterns of *Escherichia coli* and *Salmonella* Strains in the Aquatic Lebanese Environments. Harakeh S, **Yassine H**, El-Fadel M. ***Environmental Pollution*** (2006) Sep; 143(2):269-77.

24. Isolation, Molecular Characterization and Antimicrobial Resistance Patterns of *Salmonella* and *Escherichia coli* Isolates from Meat-Based Fast Food in Lebanon. Harakeh S, **Yassine H**, Gharios M, Barbour E, Hajjar S, El-Fadel M, Toufeili I, Tannous R. ***Science of the Total Environment.*** (2005) Apr; 341(1-3):33-44.

25. Isolation and Preliminary Characterization of a New Temperature-Sensitive Allele of the NAD+ Ligase Gene (LIGA) in Escherichia Coli. **Hadi Yassine** and Medhat Khattar. ***Master's Thesis at AUB, Beirut, Lebanon***. (May; 2003).

Articles Submitted/ in Preparation

1. Reconstituted B cell receptor signaling reveals carbohydrate-dependent mode of activation. Villar RF, Patel J, Weaver GC, Kanekiyo M, Wheatley AK, **Yassine HM**, Costello CE, Chandler KB, McTamney PM, Nabel GJ, McDermott AB, Mascola JR, Carr SA, and Lingwood D. ***Submitted to Scientific Reports (Nature Publishing Group)***. (2015) August.

2. Use of Novel Hemagglutinin Stem Probes Demonstrate Prevalence of Broadly Reactive Group 1 Influenza Antibodies in the Human Population. **Yassine HM**, McTamney PM, Boyington JC, Ledgerwood JE, and Graham BS. To be submitted soon.

3. Wnt/β-catenin is a negative regulator of RSV replication. Moin SM, Kumar A, Peek CT, **Yassine HM**, Chen M, Moore ML, Graham BS.

4. Multi-Subtype Influenza Hemagglutinin Nanoparticle Cocktail Elicited Broad Protective Immune Response in Ferret. Kanekiyo M, **Yassine HM**, Wei CJ, McTamney PM, Boyington JC, Rao SS, Tumpey TM, Graham BS, Nabel GJ.

Patents

1. Stabilized group 2 influenza hemagglutinin stem region trimers and uses thereof (Provisional). No. 62/383,267. Inventors: Jeffrey C. Boyington, Barney S. Graham, John R. Mascola, **Hadi M. Yassine**, Kizzmekia S. Corbett, Syed M. Moin and Lingshu Wang. Filed in September, 2016.

2. Novel, Multivalent, Nanoparticle-Based Vaccines for Influenza Virus (Provisional). Application No. 62/098,755. Inventors: Barney S. Graham (PI), Masaru Kanekiyo and **Hadi M. Yassine**. Filed on December 31, 2014.

3. Stabilized Influenza Hemagglutinin Stem Region Trimmers and Uses Thereof (Provisional). Application no. 62003471. Inventors: Barney S. Graham, John R. Mascola, **Hadi M. Yassine**, Jeffrey C. Boyington, Peter D. Kwong, and Masaru Kanekiyo. Filed on May 27, 2014.

4. Novel Influenza Hemagglutinin Protein-Based Vaccines. International patent publication number: WO2013044203 A2, application number: PCT/US12/56822. May 15, 2013. Inventors: Nabel GJ (PI), Kanekiyo M, Wei CJ, McTamney PM, Yassine HM, and Boyington JC.

Grants

1. NPRP9-133-1-025 (LPI): Estimating the Burden of Viral Gastroenteritis and Effectiveness of Rotavirus Vaccine in Young Children in Qatar (720,000.00 USD). 2016 for three years.

2. NPRP9-251-3-045 (PI): Human genetic susceptibility to severe viral infections in childhood (719,757.00 USD). 2016 for three years.

3. PPM1-1220-150017 (PI): A platform for large-scale serological profiling of the Qatari population to link individual genome and immune phenotype variation in health and disease (798,952.00 USD). 2016 for three years.

4. QUUG-BRC-BRC- 15\16-1 (LPI): Measuring Influenza Hemagglutinin Stem-Specific ADCC and CDC Activities in Human Sera Using Novel Stabilized Stem Probes (120,000.00 QAR). 2016 for one year.

Services

1. Coordinator for the international workshop "Principles of Antimicrobial Susceptibility Testing" to be hold in Qatar in the spring 2017.

2. Coordinator for the international workshop "Emerging Pathogens at the Human-Animal-Environment Interface" To be hold in Qatar in October 2016.

3. Coordinator for "Principles of Mammalian Cell Culture Course" BRC-QU, August 2016.

4. Coordinator for the BSL3 Project. Ongoing.

5. Coordinator for the collaboration with HMC (Microbiology project). Ongoing.

6. Coordinator for the collaboration with MOPH (Infectious diseases project). Ongoing.

7. Biosaftey coordinator between September 2015 and February 2016.

8. Organizer of biosafety lectures at BRC-QU.

9. Steps of Scientific Research Workshop Program (workshop). Hamza Intermediate School. November 2015. Doha, Qatar. Presenter.

Professional and Honor Societies

- American Association for Virology (ASV); 2008-Current.
- American Association for Advancement of Science (AAAS); 2008-2010.
- American Association of Avian Pathologists (AAAP); 2004-2009.
- The Ohio State University Chapter of the Honor Society of Phi Kappa Phi for outstanding students; 2006.

Awards, Scholarships & Distinctions

- Charles E. Thorne Memorial Associateship. Ohio Agricultural Research and Development Center (OARDC), OSU, Wooster, OH (2008). $18,000 award.
- Travel Award. North Central Avian Disease Conference (NCADC), St. Paul, MN (March, 2008).
- AAAS Science Program for Excellence in Science. AAAS (2007-2008). One year free membership.
- Richard B. Rimler Memorial Paper Scholarship: Recognizing Excellence in Poultry Disease Research by a Graduate Student. AAAP/AVMA convention, Washington D.C. (July, 2007).
- Travel award. NCADC, St. Paul, MN (March, 2007).
- Rosenwald Poster Award: Best Student Poster. AAAP/AVMA Convention, Honolulu, HI (July, 2006).
- Selection into OSU Chapter of the Honor Society of Phi Kappa Phi for Outstanding Students. OSU, Columbus, OH (May, 2006).
- B. S. Pomeroy Award: Student Achievement in Avian Diseases Research. NCADC, St. Paul-MN (March, 2006).
- Full Graduate Assistantship at AUB (Master's Degree). Beirut, Lebanon (2001-2003).

Selected Media Highlights

- Qatar University professor records breakthrough on coronavirus research. ***QU Research Magazine*** (Feature story). May, 2016. http://www.qu.edu.qa/offices/research/QURO_Magazine/issue7/en/index.htm#p=10

- A step closer on universal flu vaccine. ***The Science Times***, August 26, 2015. (http://www.sciencetimes.com/articles/7179/20150826/universal-flu-vaccine-step-closer.htm).

- Universal flu vaccine is no longer science fiction. Scientists report major step in development. ***Washington Post***, August 25, 2015. (https://www.washingtonpost.com/news/to-your-health/wp/2015/08/25/universal-flu-vaccine-is-no-longer-science-fiction-scientists-report-major-step-in-development/).

- Major step' toward universal flu vaccine: studies. ***The Guardian***, August 24, 2015. (http://www.ngrguardiannews.com/2015/08/major-step-toward-universal-flu-vaccine-studies/).

- Ohio State mobilizes its army of experts to deal with the influenza outbreak. ***OSU-On Campus News Paper*** (By Jeff McCallister). May 7, 2009.

- Researchers in Wooster on front lines of fighting H1N1 influenza virus. ***WKYC (NBC) Channel 3-Clevland*** (by Monica Robins). May 6, 2009.

- H1N1 influenza: Jumping species. ***OARDC-YOUTUBE*** (OARDC staff). May 04, 2009.

- Swine influenza, medically speaking. ***Daily Record-Wooster*** (By Christine L. Pratt). April 28, 2009.

- H1N1/2009 outbreak: facts, preparedness and faculty experts. ***Public Health Preparedness for Infectious Diseases (PHOID-OSU)***. Spring, 2009.

- Swine influenza virus transmission across species studied. ***Nationalhogfarmer.com***. December 18, 2008.

- Bird flu in human: OARDC in national effort to understand, prevent and control it. ***OARDC-OSU annual report***. 2005.

Peer-review Activities

- Reviewer for Ohio Agricultural Research and Development Center (OARDC)-OSU Research Enhancement Competitive Grant Program (SEEDS Grants).

- Reviewer for Journals: Vaccine, Plos One, Veterinary Microbiology, Scientific Reports and Virology Journal.

- Reviewed articles for Science, Nature, Nature Medicine, and New England Journal of Medicine (Through other PIs).

Abstracts, Conferences and Workshops

- Beta-Catenin Negatively Regulates RSV Replication. S.M. Moin, A. Kumar, M. Chen, C. Peek, **H.M. Yassine**, A. Ryder, B.S. Graham. ***10th International RSV Symposium***. September-October 2016. Patagonia, Argentina.

- Structure and Stabilization of Coronavirus Spike Proteins in the Prefusion Conformation. Kirchdoerfer RN, Cottrell CA, Wang N, Pallesen J, **Yassine HM**, Turner HL, Corbett KS, Graham BS , McLellan JS, Ward AB. ***18th Annual International Meeting of the Institute of Human Virology.*** September 2016. Baltimore, MD. Poster.

- ***Qatar University Health Cluster First Annual Retreat***. June 2016. Doha, Qatar. Presenter.

- ***The Qatar Foundation Annual Research Conference (ARC'16)***. March 2016. Doha, Qatar. Delegate.

- ***Biomarkers Assay using Multiplex technology (Workshop)***. March 2016. Doha, Qatar. Attendee.

- ***Sixth Annual WCMC-Q Research Retreat.*** February 2016. Doha, Qatar. Delegate.

- ***Arab Health Symposium***. January 2016. Dubai, UAE. Delegate.

- ***International Conference in Emergency Medicine and Public Health***. January 2016. Doha, Qatar. Delegate.

- ***Flow Cytometry Experiment Design and Data Analysis (workshop)***. November 2015. Doha, Qatar. Attendee.

- ***Steps of Scientific Research Workshop Program (workshop)***. Hamza Intermediate School. November 2015. Doha, Qatar. Presenter.

- Structure-Based Design Of A Hemagglutinin-Stem Nanoparticle Vaccine Results In Heterosubtypic Influenza Protection. J.C. Boyington, **H.M. Yassine**, P.M. McTamney, C.J. Wei, M. Kanekiyo, W.P. Kong, J.R. Gallagher, L.Wang, Y. Zhang, M.G. Joyce, D. Lingwood, S.M. Moin, H. Andersen, Y. Okuno, S.S. Rao, A.K. Harris, P.D. Kwong, J.R. Mascola, G.J. Nabel, B.S. Graham. ***41st Lorne Conference on Protein Structure and Function***. February, 2016. Lorne, Australia.

- Immunization with Heterogeneous Mosaic Array of Influenza HA Receptor-Binding Domain Induces Broadly Neutralizing H1N1 Antibody Responses. M. Kanekiyo, **H.M. Yassine**, A.K. Wheatley, R.A. Gillespie, M. Prabhakaran, S.F. Andrews, A.B. McDermott, R.A. Koup, J.R. Mascola, B.S. Graham. ***Vaccine Against Antigenically Variable Viruses***. November, 2015. Ames, IA.

- Cryo-electron microscopy and image analyses of influenza vaccine nanoparticles suggest conformational and orientational design constraints correlated with multivalent binding and increased vaccine response. J. Gallagher, M. Kanekiyo, **H.M. Yassine**, J. Boyington, B. Graham, A. Harris. ***NIH Research Festival***. September, 2015. Bethesda, MD. (Podium; Award winner).

- Structure-based Design of a Stabilized Hemagglutinin Stem Elicits a Heterosubtypic Protective Antibody Response to Influenza Virus in Ferrets. J.C. Boyington, **H.M. Yassine**, M. Kanekiyo, J.R. Gallagher, L.Wang, Y. Zhang, M.G. Joyce, D. Lingwood, W.P. Kong, A.K. Harris, P.D. Kwong, S.S. Rao, B.S. Graham and J.R. Mascola. ***B-Cell Keystone Symposia***. March, 2015. Banff, Alberta, Canada. (Poster).

- Structural Definition of a Novel Set of Commonly Elicited Group 1/ Group 2 Influenza Neutralizing Antibodies. P.V. Thomas, M.G. Joyce1, A.K. Wheatley, J.C. Boyington, A. Druz, C.R. Lees, M. Kanekiyo, **H.M. Yassine**, M.S. Prabhakaran, S.R. Narpala, R.T. Bailer, U. Baxa, J.E. Ledgerwood, B.S. Graham, R.A. Koup, A.B. McDermott, J.R. Mascola, and P.D. Kwong. ***B-Cell Keystone Symposia***. March, 2015. Banff, Alberta, Canada. (podium)

- Elicitation of Influenza HA Stem-Directed Heterosubtypic Protective Antibody Response through Structure-Guided Immunogen Design. **H.M. Yassine**, J.C. Boyington, L.Wang, M. Kanekiyo, Y. Zhang, M.G.Joyce, D. Lingwood, W.P. Kong, P.D. Kwong, S.S. Rao, J.R. Mascola, B.S. Graham. ***Keystone-Viral Immunity.*** January, 2014. Breckenridge, Co. (Poster).

- Synthetic Mosaic Array of Heterogenous Receptor-Binding Domains of Influenza Hemagglutinin Triggers Cross-Reactive B cell Responses .M. Kanekiyo, **H.M. Yassine**, A.K. Wheatley, I.S. Georgiev, P.D. Kwong, A.B. McDermott, R.A. Koup, J.R. Mascola, B.S. Graham. ***Keystone-Viral Immunity.*** January, 2014. Breckenridge, Co. (Poster).

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- Interspecies Transmission of Triple Reassortant H3N2 Influenza Viruses between Swine and Turkeys: Molecular Studies. **H.M. Yassine**, Mahesh Khatri, Lee C.W., Saif Y.M. American ***Association of Avian Pathologists (AAAP-AVMA) Annual Meeting***. July, 2009. Seattle, WA. (Poster).

- Susceptibility of Chicken T Cells to Low Pathogenic H5 Influenza Viruses. Mahesh Khatri, **H.M. Yassine**, Yehia M. Saif and Chang-Won Lee. ***American Association of Avian Pathologists (AAAP-AVMA) Annual Meeting***. July, 2009. Seattle, WA.

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- Studies on Interspecies Transmission of Triple Reassortant H3N2 Influenza A Viruses. **H.M. Yassine,** Mahesh Khatri, Chang-Won Lee, and Yehia M. Saif. ***7th International Symposium on Avian Influenza***. April, 2009. Athens, GA. (Poster).

- ***Tri-State (Ohio, Michigan, and Indiana) Poultry Veterinarians' Annual Meeting***. November, 2008. Fort Recovery, Ohio (Attending).

- Influenza in Turkeys: Antigenic and Genetic Relatedness of H3N2 Viruses. Y.M. Saif, **H.M. Yassine** and C.W. Lee. ***National Veterinary Services Laboratory (NCSL)***. July, 2008. Ames, IA.

- Genetic Characterization of Triple Reassortant H1N1 Influenza A Viruses. **H.M. Yassine**, Y.J. Zhang, C.W. Lee, B.A. Byrum, J. O'Quin, K.A.Smith, and Y. M. Saif. ***American Association of Avian Pathologists (AAAP-AVMA) Annual Meeting***. July, 2008. New Orleans, LA. (Poster).

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- Pathogenicity and Antigenicity of Triple Reassortants H3N2 Influenza Viruses in Poultry. S.P.S. Pillai, **H.M. Yassine**, Y.M. Saif, C-W- Lee. ***North Central Avian Disease Conference***. March, 2008. St. Paul, MN.

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- Pathogenicity and Antigenicity of Different Lineage of H3N2 Viruses in Turkeys. S.P.S. Pillai SPS, **H.M. Yassine**, S. Jadhao, D.L. Suarez, Y.M. Saif and C.W. Lee. ***Midwest Poultry Consortium Research Summit Annual Meeting***. March, 2007. St. Paul, MN. (Poster).

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