

Jawad Y. Fares, MD, MSc

DOB: June 23, 1991 (Madrid, Spain) / Nationality: Lebanese

Northwestern University, Feinberg School of Medicine, Chicago, IL 60611, USA

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Current

- **Postdoctoral Research Fellow**, Department of Neurological Surgery
Northwestern University Feinberg School of Medicine
Chicago, IL, USA. *July 2018 – Ongoing.*
- **Research Collaborator**, Institute for Health Metrics and Evaluation
University of Washington
Seattle, WA, USA. *September 2020 – Ongoing.*

Education & Training

2018-	Postdoctoral Fellowship , Neuro-Oncology (Lesniak Lab), Northwestern University
2018-2019	Postgraduate Certificate , Cancer Biology & Therapeutics, Harvard Medical School
2013-2017	MD , American University of Beirut Faculty of Medicine
2015-2016	MSc , Neuropsychology, <i>High Distinction</i> , Lebanese University
2009-2012	BSc , Biology, American University of Beirut (AUB)
2009-2012	Minor, Environmental & Aquatic Sciences, American University of Beirut (AUB)
2009	Lebanese Baccalaureate, Life Sciences, <i>Honorable Mention</i> , International College

Certification & Licensure

- ECFMG Certification, Educational Commission for Foreign Medical Graduates.
September 2021 – Ongoing.
- Medical License, Lebanese Order of Physicians (no. F628). *March 2018 – Ongoing.*
- Certified Physician, Lebanese Ministry of Public Health. *February 2018 – Ongoing.*

Honors & Awards

- **The IAP Young Physician Leader Award**, The InterAcademy Partnership in collaboration with the World Health Summit and the M8 Alliance. The program selects emerging leaders, under the age of 40, working in healthcare centers around the world, who were nominated by their national academies (nominated by the European Academy of Sciences and Arts). *August 2021*.
- **EB1A Green Card, Alien of Extraordinary Ability (Einstein's Visa)**, U.S. Department of State. Granted to a foreign national of extraordinary ability in the sciences which has been demonstrated by sustained national or international acclaim and whose achievements have been recognized in the field through extensive documentation. *February 2021*.
- **Honorable Mention**, Mr. Jack Lang, Former French Minister of Culture and National Education and President of The Arab World Institute, Paris, France. *October 2020*.
- **10 Outstanding People Under 30 from the Arab World**. ArabAmerica.com. The list compiles ten rising Arabs, under 30 years of age, in the United States who exhibit innovative spirit and outstanding work in their respective fields. *September 2020*.
- **Young Scientist of The 70th Lindau-Nobel Laureate Meeting (Interdisciplinary)**, Lindau, Germany. Selected individuals are highly talented young scientists under the age of 35 who are at the top of their class and show excellence in their field of research. The aim is to bring together Nobel laureates and young scientists to foster scientific exchange between different generations and cultures. *March 2020*.
- **Forbes Middle East 30 Under 30**. The list features the 30 most distinguished honorees under 30 years of age whose contributions are deemed the most impactful in the Middle East. *March 2019*.
- **Elected Fellow, The World Academy of Medical Sciences (FWAMS)**, Netherlands, “for his outstanding contributions to the advancement of medical sciences.” Fellowship is the highest Academy credential granted to distinguished individuals who are acclaimed in their field. *February 2019*.
- **The “Standing Outstanding” Honoree**, The MainGate Magazine, AUB. A yearly article that highlights the achievements of an alumnus/a of the American University of Beirut. Title of article: “A Pioneering Scientist, Surgeon, and Researcher.” *January 2019*.

- Finalist, **Lebanon Impact Award - Diaspora**, Hult Prize Foundation. *September 2018*.
- **Dubai Harvard Foundation for Medical Research Merit Scholarship**; a scholarship awarded on merit to cover tuition fees at Harvard Medical School for Postgraduate Medical Education. *August 2018*.
- **Who's Who** (Arabia), Al-Iqtisadi. *July 2018*.
- **Middle East Exchange Feature** commissioned by the Bill & Melinda Gates Foundation in partnership with the Mohammed Bin Rashid Al Maktoum Global Initiatives. Title of article: "This Lebanese Doctor is Bringing Hope to the Country's Cluster Bomb Survivors." *June 2018*.
- **Invited Lecturer/Leader**, American University of Beirut, University for Seniors Program. Title of lecture: "Serving Humanity through Research and Innovation." *May 2018*.
- **GEN Top 10 Under 40**, Genetic Engineering and Biotechnology News. The top 10 young scientists in the world who have distinguished themselves with innovation and are well on their way to become leaders in biopharma research and business. *May 2018*.
- **TED Speaker**, TEDxMUBS. Title: "Spark Innovation through Research & Outreach." *May 2018*.
- **The Distinguished Pioneer Speaker**, The Lebanese University 67th Anniversary – Founder's Day. *April 2018*.
- **The Distinguished Pioneer Award**, Lebanese University. Highest honor given by the President of the Lebanese University "in recognition of outstanding scientific achievements." *April 2018*.
- **Forbes Middle East – Arab 30 Under 30**. The list features the 30 most distinguished honorees under the age of 30 whose contributions are deemed the most impactful in the Arab World. *March 2018*.
- **Honorable Mention**, Maronite League Presidency, Lebanon. *March 2018*.
- **The NRC Medal of Honor**. The highest honor given by the Neuroscience Research Center at the Lebanese University "for outstanding contributions to science and medicine." *February 2018*.
- **Honor Award of the American University of Beirut Faculty of Medicine**. An award presented by the American University of Beirut Faculty of Medicine "for outstanding achievement in impactful humanitarian research." *February 2018*.

- **Distinguished Keynote Speaker**, Ethics Matter Initiative, Salim El-Hoss Bioethics and Professionalism Program, The American University of Beirut Faculty of Medicine and the Medical Center. Title of talk: “Research in Service to Humanity: A Medical Student Perspective.” *February 2018.*
- **Honorable Guest Speaker**, Science Rally 2018, Modern University for Business and Science (MUBS). *February 2018.*
- **“Arab Youth Pioneer”** award granted by the UAE Prime Minister, HH Mohammed bin Rashid Al Maktoum, at the World Government Summit, Dubai. A prestigious award that sheds lights on the most notable models of Arab youth. “Those whose achievements have left a remarkable impact on their societies; and in doing so left the world a better place.” *February 2018.*
- **FORBES 30 Under 30 Europe List in Science & Healthcare.** The list includes the 30 most inspiring individuals who are changing the world and are under 30 years of age. *January 2018.*
- **International Scholar Laureate Program**, Delegation on Medicine & Science (Declined). *January 2018.*
- **The NRC Award for Academic & Research Excellence**, Neuroscience Research Center, Lebanese University. Given to a graduating student that demonstrates excellence in course grades and research potential. *June 2017.*
- **The UNI International Neuroscience PhD Fellowship**, Finalist (Declined), Université Libre de Bruxelles, Belgium. *June 2017.*
- Induction, **Golden Key International Honour Society**. Membership is by invitation only and applies to the top 15% of college and university students in all fields of study, based solely on their academic achievements. *January 2017.*
- **The Lebanese University Research Grant Award (7000\$)** awarded by the Central Administration of the Lebanese University to fund the project titled: “Posttraumatic Stress Disorder in Victims of Cluster Munitions in Lebanon.” *January 2017.*
- Induction, **Sigma Xi – The Scientific Research Honor Society**. An individual who has shown noteworthy achievement as an original investigator in a field of pure or applied science is eligible for election. *December 2016.*
- MSc in Neuropsychology with **High Distinction**. *September 2016.*
- **Rank 1**, Class of 2016, NRC, Lebanese University. *September 2016.*

- **Dean's Honor List**, Faculty of Arts & Sciences, AUB. *2010-2011.*
- **First Prize for Best Research**, International Biodiversity Day, AUB. *May 2011.*
- Lebanese Baccalaureate in Life Sciences with **Honors**. *August 2009.*
- International College Diploma in Life Sciences with **Honorable Mention**. *June 2009.*
- **Dean's Honor List**, International College. *June 2009.*

Research Experience

- **Postdoctoral Research Fellow**

Department of Neurological Surgery, Feinberg School of Medicine, Northwestern University, Chicago, IL 60611, USA. *July 2018 – Ongoing.*

PI: Prof. Maciej S. Lesniak, MD, MHCM, FACS, FAANS

- Investigated the neural stem cell delivery of an oncolytic adenovirus in malignant gliomas in a phase 1 clinical trial.
- Explored combination therapy trials in breast cancer brain metastases.
- Explored the role of Tubulin-B3 as a target protein in breast cancer brain metastases.
- Explored oncological therapies with neural stem cells that release anti-HER2 antibodies against breast cancer brain metastases.
- Explored breast cancer brain metastatic cell resistance against trastuzumab.
- Explored breast cancer brain metastatic cell resistance against BET inhibitors.
- Explored diagnostic innovations and barriers in breast cancer brain metastases.
- Explored clinical trials in breast cancer brain metastases to extrapolate inadequacies and provide solutions for better trial outcomes.
- Performed tissue/cell culture, western blotting, RNA quantification, quantitative PCR (qPCR), scanning and analysis of microscopy slides (TissueGnostics), protein extraction and estimation, murine anesthesia, intracranial microsurgery on mice, intracarotid microsurgery on mice, bioluminescence imaging, and murine autopsy.

- **Research Collaborator**

The Global Burden of Diseases, Injuries, and Risk Factors Study (GBD), Institute for Health Metrics and Evaluation, University of Washington, Seattle, WA 98195, USA.

September 2020 – Ongoing.

- Estimated the global prevalence of dementia and forecasted prevalence through 2050.
- Explored police violence by race and state in the United States between 1980–2019.

- Explored global child vaccination patterns between 1980 and 2020.
- Conduct data analysis as well as policy uptake and proliferation of GBD and affiliated projects.

- **Senior Researcher**

Neuroscience Research Center, Faculty of Medicine, Lebanese University, Beirut, Lebanon. *November 2017 – July 2018.*

- Supervised a project exploring polyethylene oxide and silicone-substituted hydroxyapatite as a biomaterial composite for bone tissue engineering in spine surgery.
- Supervised a project exploring sport and exercise medicine research activity in the Arab world between 2002 and 2016.
- Supervised a project exploring neuromuscular injuries in baseball.
- Lectured and presented workshops and seminars on neuroscientific and neuropsychological topics.

- **Researcher and Study Coordinator**

Department of Neurosurgery, Faculty of Medicine, Lebanese University, Beirut, Lebanon. *December 2011 – July 2018.*

PI: Prof. Youssef Fares, MD, PhD, EMBA, FACS, FICS, FWAMS, IFAANS

- Studied anatomical, neurological and psychosocial effects of cluster munition-related injuries in Lebanese victims
- Explored the history, development and future problems of neurosurgery in Lebanon.
- Explored musculoskeletal neck pain in children and adolescents in the clinical setting.

- **Research Fellow**

American University of Beirut Faculty of Medicine, Beirut, Lebanon. *February 2017 – December 2017.*

PI: Prof. Umayya Musharrafieh, MD, MPH

- Explored the epidemiology of Hepatitis A in Lebanon, and the impact of refugees after the Syrian Crisis.
- Explored nasopharyngeal linguatulososis (or Halzoun syndrome) and the effectiveness of alcohol gargle as treatment regimen in Lebanese cases.
- Explored the role of influenza vaccine in the prevention of heart disease in the elderly.

- Explored attitudes and perceptions of physicians and nurses towards the disclosure of medical error in a tertiary care center in Lebanon.

- **Researcher and Study Coordinator**

Neuroscience Research Center, Faculty of Medicine, Lebanese University, Beirut, Lebanon. *October 2015 – November 2017.*

PI: Prof. Youssef Fares, MD, PhD, EMBA, FACS, FICS, FWAMS, IFAANS

- Studied the psychological attitude of Lebanese patients towards health practitioners in Lebanon.
- Studied pregnancy outcomes in Lebanese women with Multiple Sclerosis
- Studied inflammatory markers in patients with Schizophrenia.
- Explored Posttraumatic Stress Disorder in victims of cluster munitions in Lebanon.
- Studied the history, development and future currents of adult neurogenesis.

- **Visiting Researcher**

Neurosurgical Simulation Research & Training Centre, Montreal Neurological Institute and Hospital, McGill University, Montreal, Quebec, Canada. *June 2014 – August 2014.*

PI: Prof. Rolando Del Maestro, MD, PhD, FRCSC, FACS, DABNS, DABPNS

- Assessed bimanual performance of medical students, neurosurgery residents and staff neurosurgeons using NeuroTouch, a neurosurgical virtual reality simulator.

- **Visiting Researcher**

Neurosurgical Simulation Research & Training Centre, Montreal Neurological Institute and Hospital, McGill University, Montreal, Quebec, Canada. *May 2013 – August 2013.*

PI: Prof. Rolando Del Maestro, MD, PhD, FRCSC, FACS, DABNS, DABPNS

- Explored the physiological and neurological patterns of activity in individuals during a virtual reality (VR) simulated surgical task and compared physiological and neurological patterns with surgical task performance.

- **Research Assistant**

Epilepsy Unit, Department of Neurology and Neurosurgery, Montreal Neurological Institute and Hospital, McGill University, Montreal, Quebec, Canada. *June 2014 – July 2014.*

PI: Prof. François Dubeau, MD

- Conducted literature review on the genetics and inheritance patterns of epilepsy in Canadian families.

- **Research Assistant**

Division of Neurosurgery, American University of Beirut Medical Center (AUBMC), Beirut, Lebanon, *June 2011 – September 2011.*

PI: Prof. Youssef Comair, MD, FRCSC

- Conducted literature review and data entry on the genetics and inheritance patterns of brain tumors in Lebanese families.

Teaching Experience

- **Lecturer**

Neuroscience Research Center, Faculty of Medical Sciences, Lebanese University

Beirut, Lebanon. *November 2017 – July 2018.*

Clinical Experience

- **Neurosurgery Clerkship**

Division of Neurosurgery, Department of Surgery, AUBMC

Beirut, Lebanon. *August 2016.*

- **Neurosurgery Clerkship**

Division of Neurosurgery, Department of Surgery, AUBMC

Beirut, Lebanon. *March 2016.*

- **Pediatric Neurosurgery Observership**

Pediatric Neurosurgery Service, Department of Neurology and Neurosurgery, Montreal Children's Hospital, McGill University

Mentors: Dr. Jean-Pierre Farmer and Dr. Jose L. Montes

Montreal, Quebec, Canada. *July 2014 – August 2014.*

- **Epilepsy Observership**

Epilepsy Unit, Department of Neurology and Neurosurgery, Montreal Neurological Institute, McGill University

Mentors: Dr. Andrea Bernasconi and Dr. François Dubeau

Montreal, Quebec, Canada. *June 2014 – July 2014.*

- **Neurosurgery Observership**

Division of Neurosurgery, Department of Surgery, AUBMC/Clemenceau Medical Center

Mentor: Dr. Youssef Comair

Journal Referee (34 journals; papers reviewed: 63)

- American Journal of Cardiology
- Behavioral Brain Research
- BMC Medical Genetics
- BMJ Case Reports
- BMJ Open
- Cell Biology International
- Clinical and Translational Medicine
- Clinical Medicine Insights: Psychiatry
- Clinical Neurology and Neurosurgery
- Computerized Medical Imaging and Graphics
- Cureus Journal of Medical Science
- Eastern Mediterranean Health Journal
- Epigenomics
- Frontiers in Psychology
- Injury
- International Journal for Quality in Health Care
- International Journal of Cardiology
- International Journal of Methods in Psychiatric Research
- Journal of Education and Health Promotion
- Journal of Gastrointestinal Cancer
- Journal of Health Communication
- Journal of International Medical Research
- Liver Transplantation
- Neurosurgical Review
- Oncoscience
- PLoS ONE
- Scientific Reports (Nature)
- Shoulder & Elbow
- Stress and Health
- Studies in Higher Education
- The American Journal of the Medical Sciences
- The International Journal of Cardiovascular Imaging
- Teaching and Learning in Medicine
- World Journal of Surgery

Research Metrics

Publications (total): 89

- A. Peer-reviewed Articles: 74
 - Network Scholarship: 1
- B. Book Chapters: 5
- C. Conference Proceedings: 8
- D. Thesis/Dissertation: 1

Google Scholar Indices

- A. Citations: 1698
- B. h-index: 22
- C. i10-index: 39

Article Types

- A. Original Articles: 45
- B. Reviews: 12
- C. Perspectives: 3
- D. Editorials: 4
- E. Case Reports: 10
- F. Correspondences: 1

Author Standing

- A. First Author: 32
- B. Corresponding/Senior: 41

Publications

*Corresponding/Senior Author

A. Papers in Refereed Journals

1. **Fares J**, Ahmed AU, Ulasov IV, Sonabend AM, Miska J, Lee-Chang C, Balyasnikova IV, Chandler JP, Portnow J, Tate MC, Kumthekar P, Lukas RV, Grimm SA, Adams AK, Hébert CD, Strong TV, Amidei C, Arrieta VA, Zannikou M, Horbinski C, Zhang H, Burdett KB, Curiel DT, Sachdev S, Aboody KS, Stupp R, Lesniak MS (2021) Neural stem cell delivery of an oncolytic adenovirus in newly diagnosed malignant glioma: a first-in-human, phase 1, dose-escalation trial. *The Lancet Oncology*, 22(8),1103-1114.

[Cover Page]

2. **Fares J**, Ulasov I, Timashev P, Lesniak MS (2021) Emerging principles of brain immunology and immune checkpoint blockade in brain metastases. *Brain*, 144(4),1046-1066. **[Cover Page]**
3. **Fares J**, Cordero A, Kanojia D, Lesniak MS (2021) The Network of Cytokines in Brain Metastases. *Cancers*, 13(1), 142.

4. Kamynina M, Tskhovrebova S, **Fares J**, Timashev P, Laevskaya A, Ulasov I (2021) Oncolytic Virus-Induced Autophagy in Glioblastoma. *Cancers*, 13(14), 3482.
5. Mansour HA, Bitar E, Fares Y, Makdessi AA, Maalouf A, Ghouf ME, Mansour MA, Chami A, Khalil M, Jalkh A, Cherfan D, **Fares J**, Khuri FR, Mansour AM; Beirut Port Ammonium Nitrate Explosion Consortium. The Beirut Port explosion: injury trends from a mass survey of emergency admissions. *The Lancet*, 398(10294), 21-22.
6. Hamadeh M, Nasrallah K, Ajami Z, Zeaiter R, Abbas L, Hamadeh S, **Fares J*** (2021) Clinical Presentation and Management of Severe Acute Renal Failure in McArdle Disease. *Clinical Medicine & Research*. In press.
7. Fares MY, Baydoun H, Salhab HA, Khachfe HH, Fares Y, **Fares J**, Abboud JA (2021) Doping in the Ultimate Fighting Championship (UFC): A 4-year Epidemiological Analysis. *Drug Testing and Analysis*, 13(4), 785-793.
8. Matar R, Alrahmani L, Monzer N, Debiane LG, Berbari E, **Fares J**, Fitzpatrick F, Murad MH (2021) Clinical Presentation and Outcomes of Pregnant Women with COVID-19: A Systematic Review and Meta-Analysis. *Clinical Infectious Diseases*, 72(3), 521-533.
9. Fares MY, Khachfe HH, Salhab HA, Zbib J, Fares Y, **Fares J*** (2021) Achilles Tendinopathy: Exploring Injury Characteristics and Current Treatment Modalities. *The Foot*, 46, 101715.
10. Nasrallah AA, Khachfe HH, Salhab HA, Fares MY, **Fares J*** (2021) Targeted therapies in trial for non-resectable gallbladder cancer. *Journal of Gastrointestinal Cancer*, 52(2), 515-522.
11. Khachfe HH, Fares MY, Salhab HA, **Fares J*** (2020) Back injuries in Major League Baseball. *The Journal of Sports Medicine and Physical Fitness*. In press.
12. Fares MY, Salhab HA, **Fares J**, Khachfe HH, Fares Y, Baydoun H, Abboud JA, Alaaeddine N (2020) Craniofacial and Traumatic Brain Injuries in Mixed Martial Arts. *The Physician and Sportsmedicine*. In press.
13. **Fares J**, Kanojia D, Rashidi A, Ulasov I, Lesniak MS (2020) Genes that mediate metastasis across the blood-brain barrier. *Trends in Cancer*, 6(8), 660-676.
14. **Fares J**, Kanojia D, Rashidi A, Ulasov I, Lesniak MS (2020) Landscape of Combination Therapy Trials in Breast Cancer Brain Metastasis. *International Journal of Cancer*, 147(7), 1939-1952.
15. Mheidly N, **Fares J*** (2020) Leveraging Media and Health Communication Strategies to Overcome the COVID-19 Infodemic. *Journal of Public Health Policy*, 41, 410-420.

16. Mheidly N, **Fares J*** (2020) Health communication in low-income countries: A 60-year bibliometric and thematic analysis. *Journal of Education and Health Promotion*, 9, 163.
17. Mheidly N, Fares MY, **Fares J*** (2020) Coping with stress and burnout associated with telecommunication and online learning. *Frontiers in Public Health*, 8, 574969.
18. Mheidly N, Fares MY, Zalzale H, **Fares J*** (2020) Effects of Face Masks on Interpersonal Communication During the COVID-19 Pandemic. *Frontiers in Public Health*, 8, 582191.
19. **Fares J***, Fares MY, Khachfe HH, Salhab HA, Fares Y (2020) Molecular Principles of Metastasis: A Hallmark of Cancer Revisited. *Signal Transduction and Targeted Therapy*, 5, 28, 1-17. **[Cover Mention and Issue Highlight]**
20. Kanojia D, Panek WK, Cordero A, **Fares J**, Xiao A, Savchuk S, Kumar K, Xiao T, Pituch KC, Miska J, Zhang P, Kam KL, Horbinski C, Balyasnikova IV, Ahmed AU, Lesniak MS (2020) BET inhibition increases β III-tubulin expression and sensitizes metastatic breast cancer in the brain to vinorelbine. *Science Translational Medicine*, 12(558): eaax2879.
21. Fares MY, **Fares J**, Salhab HA, Khachfe HH, Bdeir A, Fares Y (2020) Low Back Pain Among Weightlifting Adolescents and Young Adults. *Cureus*, 12(7), e9127.
22. Mansour A, Atoui R, Kanso K, Mohsen R, Fares Y, **Fares J*** (2020) First Case of an Infant with COVID-19 in the Middle East. *Cureus*, 12(4), e7520.
23. **Fares J***, Fares MY, Fares Y (2020) Medical Schools in Times of War: Integrating Conflict Medicine in Medical Education. *Surgical Neurology International*, 11(5), 1-5.
24. Ulasov I, Borovjagin A, **Fares J**, Yakushov S, Malin D, Timashev P, Lesniak M (2020) MicroRNA 345 (miR345) regulates KISS1-E-cadherin functional interaction in breast cancer cells metastasizing to the brain. *Cancer Letters*, 481:24-31.
25. Mheidly N, **Fares J*** (2020) Health Communication Research in the Arab World: A Bibliometric Analysis. *Integrated Healthcare Journal*, 2(1), e000011.
26. Ulasov I, **Fares J**, Timashev P, Lesniak MS (2020) Editing Cytoprotective Autophagy in Glioma: An Unfulfilled Potential for Therapy. *Trends in Molecular Medicine*, 26 (3), 252-262.
27. Fares MY, Dimassi Z, **Fares J**, Musharrafieh U (2020) Peroneal Neuropathy and Bariatric Surgery: Untying the Knot. *International Journal of Neuroscience*, 130 (4), 417-423.

28. Fares MY, Salhab HA, Khachfe HH, Kane L, Fares Y, **Fares J***, Abboud JA (2020) Upper Limb Injuries in Major League Baseball. *Physical Therapy in Sport*, 41 (1), 49-54.
29. Rashidi A, Miska J, Lee-Chang C, Kanojia D, Panek WK, Lopez-Rosas A, Zhang P, Han Y, Pituch KC, Kim JW, Talebian M, **Fares J**, Lesniak MS (2020) GCN2 is Essential for CD8⁺ T-cell Survival and Function in Malignant Glioma. *Cancer Immunology, Immunotherapy*, 69 (1), 81-94.
30. Fares MY, **Fares J**, Baydoun H, Fares Y (2020) Prevalence and patterns of shoulder injuries in major league baseball. *The Physician and Sportsmedicine*. 48(1):63-67.
31. Fares MY, **Fares J***, Fares Y, Abboud JA (2020) Gorham-Stout Disease of the Shoulder: Clinical, Pathologic and Therapeutic Considerations. *The Archives of Bone and Joint Surgery*, 8(1).
32. **Fares J**, Kanojia D, Rashidi A, Ahmed AU, Balyasnikova IV, Lesniak MS (2019) Diagnostic Clinical Trials in Breast Cancer Brain Metastases: Barriers and Innovations. *Clinical Breast Cancer*, 19 (6), 383–391. **[Cover Mention and Issue Highlight]**
33. **Fares J**, Kanojia D, Cordero A, Rashidi A, Miska J, Schwartz CW, Savshuk S, Ahmed AU, Balyasnikova IV, Cristofanilli M, Gradishar WJ, Lesniak MS (2019) Current State of Clinical Trials in Breast Cancer Brain Metastases. *Neuro-Oncology Practice*, 6 (5), 392–401. **[Cover Mention and Issue Highlight]**
34. Hamadeh M, Boustany S, **Fares J*** (2019) Acute Kidney Injury Following Dermatomyositis. *Clinical Medicine & Research*, 17 (3-4), 102-104.
35. Salhab HA, Fares MY, Khacfeh HH, **Fares J*** (2019) Musculoskeletal Lower Limb Injuries in Major League Baseball. *Physical Therapy in Sport*, 39, 38-43.
36. **Fares J**, Fares MY, Fares Y (2019) Natural killer cells in the brain tumor microenvironment: Defining a new era in neuro-oncology. *Surgical Neurology International*, 10 (43), 1-4.
37. **Fares J***, Fares MY, Fares Y (2019) Immune checkpoint inhibitors: Advances and impact in neuro-oncology. *Surgical Neurology International*, 10 (1), 9.
38. **Fares J***, Bou Diab Z, Nabha S, Fares Y (2019) Neurogenesis in the Adult Hippocampus: History, Regulation, and Prospective Roles. *International Journal of Neuroscience*, 129 (6), 598-611.
39. Fares MY, **Fares J***, Fares Y, Aboud JA (2019) Musculoskeletal and Head Injuries in the Ultimate Fighting Championship (UFC). *The Physician and Sportsmedicine*, 47 (2), 205-211.

40. Musharrafieh U, Nammani R, Badaoui J, Baddour K, Issa N, Youssef S, Hadaie B, **Fares J**, Arawi T (2019) Barriers to medical error disclosure at a tertiary care hospital in Lebanon: physicians versus nurses. *Health Education and Care*, 4, 1-6.
41. **Fares J***, Fares Y (2018) Cluster Munitions: Military Use and Civilian Health Hazards. *Bulletin of the World Health Organization*, 96 (8), 584–585. **[Issue Highlight]**
42. Fares Y†, **Fares J†**, Kurdi MM, Bou Haidar MA (2018) Physician-Leadership and Hospital Ranking: Expanding the Role of Neurosurgeons. *Surgical Neurology International*, 9 (1), 199. **[†First Author Standing]**
43. Berri N, **Fares J**, Fares Y (2018) Polyethylene Oxide and Silicone-Substituted Hydroxyapatite Composite: A Biomaterial for Hard Tissue Engineering in Orthopedic and Spine Surgery. *Advanced Biomedical Research*, 7 (8), 117.
44. Bizri AR, **Fares J***, Musharrafieh U (2018) Infectious Diseases in the Era of Refugees: Hepatitis A Outbreak in Lebanon. *Avicenna Journal of Medicine*, 8 (4), 147-152.
45. Hamadeh M, **Fares J*** (2018) Diagnosis and Management of Hypercalcemia Associated with Silicone-Induced Granuloma. *Revista da Associação Médica Brasileira*, 64 (7): 575-576.
46. Musharrafieh U, Hamadeh G, Touma A, **Fares J*** (2018) Nasopharyngeal Linguatulosis or Halzoun Syndrome: Clinical Diagnosis and Management. *Revista da Associação Médica Brasileira*, 64 (12): 1081-1084.
47. Hamadeh M, **Fares J***, Maatouk K, Darwish M (2018) Hypercalcemia in a Bodybuilder with Cosmetic Silicone Injections. *New Zealand Medical Journal*, 131(1473), 78-81.
48. **Fares J***, Gebeily S, Saad M, Harati H, Nabha S, Said N, Kanso M, Abdel-Rassoul R, Fares Y (2017) Posttraumatic stress disorder in adult victims of cluster munitions: a 10-year longitudinal study. *BMJ Open*, 7(8), e017214.
49. Fares M, **Fares J***, Baydoun H, Fares Y (2017) Sport and exercise medicine research activity in the Arab world: a 15-year bibliometric analysis. *BMJ Open Sport and Exercise Medicine*, 3(1), e000292.
50. **Fares J**, Fares MY, Fares Y (2017) Musculoskeletal neck pain in children and adolescents: risk factors and complications. *Surgical Neurology International*, 8, 72-77.
51. Rachwan RJ, Daher GE, **Fares J**, Rachoin R (2017) Complete Resolution of a Large Bicuspid Aortic Valve Thrombus with Anticoagulation in Primary Antiphospholipid Syndrome. *Frontiers in Cardiovascular Medicine*, 4, 59-64.

52. Fares Y†, **Fares J†** (2017) Neurosurgery in Lebanon: history, development, and future challenges. *World Neurosurgery*, 99 (3), 524-532. [†**First Author Standing**]
53. Gebeily S, Nader Y, Fares Y, **Fares J**, Jomaa N, Tourbah A (2017) Efficacy of mycophenolate in primary progressive active multiple sclerosis: a case series report. *European Journal of Neurology*, 24 (Suppl. 1), 680.
54. Bajunaid K, Mullah M, Schwartz AW, Alotaibi F, **Fares J**, Baggiani M, Azarnoush H, Christie S, Al Zharni G, Marwa I, Sabbagh A, Werthner P, Del Maestro RF (2017) Impact of Acute Stress on Psychomotor Bimanual Performance During A Simulated Tumor Resection Task. *Journal of Neurosurgery*, 126(1), 71-80.
55. **Fares J**, Nassar AH, Gebeily S, Kobeissy F, Fares Y (2016) Pregnancy outcomes in Lebanese women with multiple sclerosis (the LeMS study): a prospective multicentre study. *BMJ Open*, 6(5), e011210.
56. **Fares J***, Saadeddin Z, Al Tabosh H, Aridi H, El Mouhayyar C, Koleilat MK, Chaaya M, El Asmar K (2016) Extracurricular activities associated with stress and burnout in preclinical medical students. *Journal of Epidemiology and Global Health*, 6(3), 177-85.
57. **Fares J***, Al Tabosh H, Saadeddin Z, El Mouhayyar C, Aridi H (2016) Stress, burnout and coping strategies in preclinical medical students. *North American Journal of Medical Sciences*, 8(2), 75.
58. **Fares J***, Fares Y (2016) The role of yoga in relieving medical student anxiety and stress. *North American Journal of Medical Sciences*, 8(4), 202.
59. **Fares J***, Natout N, Fares Y (2016) Neural fibrolipoma of the median nerve. *Lebanese Medical Journal*, 64(1), 47-49.
60. Bedrossian N, Haidar M, **Fares J***, Kobeissy FH, Fares Y (2016) Inflammation and elevation of interleukin-12p40 in patients with schizophrenia. *Frontiers in Molecular Neuroscience*, 9.
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65. Ayoub F†, Fares Y†, **Fares J*†** (2015) The psychological attitude of patients toward health practitioners in Lebanon. *North American Journal of Medical Sciences*, 7(10), 452. [†First Author Standing]
66. Schwartz AW, **Fares J**, Khalid B, Baggiani M, Christie S, Alotaibi F, Al-Zharni G, Sabbagh A, Azarnoush H, Werthner P, Del Maestro R. (2015) Subjective anxiety ratings before and after stressful neurosurgical virtual reality tumor resection task. *Canadian Journal of Neurological Sciences*, 42(S1), S42-S42.
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68. Hoteit A, **Fares J*** (2014) Psycho-environmental tribulations arising from cluster munitions in South Lebanon. *Sci-Afric journal of scientific issues, research and essays*, 2 (10): 468-73.
69. Azarnoush H, Alzharni G, Schwartz AW, Alotaibi F, Gelinis-Phaneuf N, Pazos V, Choudhury N, **Fares J**, DiRaddo R, Del Maestro RF (2014) Neurosurgical Virtual Reality Simulation Metrics to Assess Psychomotor Skills during Brain Tumor Resection. *International Journal of Computer Assisted Radiology and Surgery*. 10(5): 603-618.
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74. Fares Y†, **Fares J†** (2013) Anatomical and neuropsychological effects of cluster munitions. *Neurological Sciences*. 34 (12): 2095-2100. [†**First Author Standing**]

B. Network Scholarship

75. GBD 2020, Release 1, Vaccine Coverage Collaborators# (2021) Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. *The Lancet*. S0140-6736(21)00984-3 (#member of the writing group cited in the appendix of the manuscript; 139th of 452 authors).

C. Book Chapters

76. **Fares J**, Kanojia D, Cordero A, Ulasov I, Lesniak MS (2021) Chapter 23 - Targeting the molecular mechanisms of glioma stem cell resistance to chemotherapy. In: Paulmurugan R, Massoud TF (eds) *Glioblastoma Resistance to Chemotherapy: Molecular Mechanisms and Innovative Reversal Strategies*. Academic Press, London: 587-634.
77. **Fares J**, Gupta S, Gopalakrishnan V, Khatua S (2021) Chapter 22 - NK cells in brain tumors: From biology to treatment. In: Bonavida B, Jewett A (eds) *Successes and Challenges of NK Immunotherapy*. Academic Press, London: 477-502.
78. **Fares J***, Salhab HA, Fares MY, Khachfe HH, Fares Y (2020) Academic Medicine and the Development of Future Leaders in Healthcare. In: Laher I. (eds) *Handbook of Healthcare in the Arab World*. Springer, Cham.
79. **Fares J***, Khachfe HH, Fares MY, Salhab HA, Fares Y (2020) Conflict Medicine in the Arab World. In: Laher I. (eds) *Handbook of Healthcare in the Arab World*. Springer, Cham.
80. Fares MY, Salhab HA, Khachfe HH, Fares Y, **Fares J*** (2020) Sports Medicine in the Arab World. In: Laher I. (eds) *Handbook of Healthcare in the Arab World*. Springer, Cham.

D. Oral Presentations

81. **Fares J***. *Translating Targeted Therapies for Brain Tumors from Bench to Bedside*. Neurosurgical Simulation and Artificial Intelligence Learning Centre – Friday Forum, McGill University, Montreal, Quebec, Canada. *April 2021*.
82. **Fares J***, Fares Y. *History, Development and Future Challenges of Neurosurgery in Lebanon*. Biennial Neurosurgery Updates Congress, Lebanese Society of Neurosurgery and the World Association of Lebanese Neurosurgeons – Beirut, Lebanon. *July 2017*.
83. Schwartz AW, **Fares J**, Khalid B, Baggiani M, Christie S, Alotaibi F, Al-Zharni G, Sabbagh A, Azarnoush H, Werthner P, Del Maestro R. *Subjective anxiety ratings before and after stressful neurosurgical virtual reality tumor resection task*. The Annual Congress of the Association of Neurosurgery of Quebec – Montreal, Quebec, Canada. *November 2014*.
84. Bajunaid K, Schwartz AW, **Fares J**, Baggiani M, Christie S, Alotaibi F, Al Zharni G, Sabbagh A, Azarnoush H, Werthner P, Delmaestro RF. *Acute stress decreases bimanual psychomotor performance during resection of simulated brain tumors*. The Annual Congress of the Association of Neurosurgery of Quebec – Montreal, Quebec, Canada. *November 2014*.
85. Schwartz AW, **Fares J**, Zharni G, Azarnoush H, Delmaestro RF. *Assessing Neurosurgical Technical Skills in Medical Students using a Virtual Reality Simulator*. The Neurosurgery Research Day at the Montreal Neurological Institute and Hospital, McGill University – Montreal, Quebec, Canada. *June 2013*.

E. Poster Presentations

86. Gebeily S, Nader Y, Fares Y, **Fares J**, Jomaa N, Tourbah A. *Efficacy of mycophenolate in primary progressive active multiple sclerosis: a case series report*. The 3rd Congress of the European Academy of Neurology – Amsterdam, Netherlands. *June 2017*.
87. **Fares J***, Saadeddin Z, Al Tabosh H, Aridi H, El Mouhayyar C, Koleilat MK, El Asmar K. *The Association between stress and burnout and extracurricular activities in preclinical medical Students*. American University of Beirut, Medical Student Research Day – Beirut, Lebanon. *May 2015*. **Ranked among the “Top 5 Posters”**.
88. **Fares J***, Hout A. *Vertical Green Village: Expand Upwards*. Nature Conservation Center for Sustainable Futures in collaboration with Entrepreneurship Initiative and UNDP. The

International Biodiversity Day at AUB – Beirut, Lebanon. *May 2011. Won the First Prize for “Best Research”.*

F. Thesis/Dissertation

89. **Fares J*** (2016) Posttraumatic Stress Disorder in Victims of Cluster Munitions in Lebanon. [Master’s Thesis]. Neuroscience Research Center, Faculty of Medical Sciences, Lebanese University. Beirut, Lebanon.

Invited Lectures

1. Fares J. *Translating Targeted Therapies for Brain Tumors from Bench to Bedside.* Neurosurgical Simulation and Artificial Intelligence Learning Centre – Friday Forum, McGill University, Montreal, Quebec, Canada. *April 2021.*
2. Fares J. *Serving Humanity through Research and Innovation.* University for Seniors Program, American University of Beirut, Beirut, Lebanon. *May 2018.*
3. Fares J. *Spark Innovation through Research & Outreach.* TEDxMUBS, Modern University for Business and Science, Beirut, Lebanon. *May 2018.*
4. Fares J. *Research in Service to Humanity: A Medical Student Perspective.* Ethics Matter Initiative, Salim El-Hoss Bioethics and Professionalism Program, The American University of Beirut Faculty of Medicine and the Medical Center, Beirut, Lebanon. *February 2018.*

Courses Attended

- The 2019 Malnati Brain Tumor Institute CME Symposium, **Northwestern Memorial Hospital**, Chicago, IL, USA. *April 2019.*
- Capstone Course, Faculty of Medicine, **American University of Beirut.** *May 2017.*
- Basic Life Support, **American Heart Association.** *March 2016 – March 2018.*
- **CITI** Program in Biomedical Research - Basic/Refresher. *January 2016 – January 2019.*
- Neurological Emergencies. Department of Continuing Medical Education, **Harvard Medical School.** *August 2012.*
- Epilepsy. Department of Continuing Medical Education, **Harvard Medical School.** *July 2012.*
- Alzheimer’s Disease. Department of Continuing Medical Education, **Harvard Medical School.** *July 2012.*

- Parkinson's Disease. Department of Continuing Medical Education, **Harvard Medical School**. *July 2012*.

Conferences Attended

1. Festive Session, European Academy of Sciences and Arts, Salzburg, Austria. *March 2020*.
2. 2020 Brain Tumor SPORE Workshop, Northwestern University, Chicago, IL, USA. *February 2020*.
3. Fourth NeuroSpine Summit at Clemenceau Medical Center, in affiliation with Johns Hopkins International, Beirut, Lebanon. *May 2018*.
4. World Government Summit, Dubai, UAE. *February 2018*.
5. Arab Youth Pioneers program, UAE Prime Minister & the Arab Youth Center, Dubai, UAE. *February 2018*.
6. Biennial Neurosurgery Updates Congress, Lebanese Society of Neurosurgery and the World Association of Lebanese Neurosurgeons, Beirut, Lebanon. *July 2017*.
7. Holistic Remedies Meet Modern Day Medicine: Regional Integrative Health Forum, - American University of Beirut, Beirut, Lebanon. *February 2017*.
8. Middle East Medical Assembly (MEMA), American University of Beirut, Beirut, Lebanon. *May 2014*.
9. NeuroTouch R&D Consortium, National Research Council of Canada (NRC), Montreal, Quebec, Canada. *June 2013*.
10. Neurosurgery Research Day, Montreal Neurological Institute & Hospital, McGill University, Montreal, Quebec, Canada. *June 2013*.
11. Neurology Day, Montreal Neurological Institute & Hospital, McGill University, Montreal, Quebec, Canada. *June 2013*.
12. Middle East Medical Assembly (MEMA), American University of Beirut, Beirut, Lebanon. *May 2013*.

Languages

- English – Native.
- Arabic – Native.
- French – 2nd Language.

Laboratory Skills

- Tissue/cell culture
- Protein extraction and estimation
- Western Blotting
- Immunofluorescence
- Flow cytometry
- RNA quantification
- PCR, quantitative PCR (qPCR)
- Nested PCR
- Scanning and analysis of microscopy slides (TissueGnostics)
- Murine anesthesia
- Stereotactic intracranial surgery on mice
- Intracarotid microsurgery on mice
- Bioluminescence imaging
- Murine autopsy

Computer and Software Skills

- Proficient in Microsoft Office: Word, Excel, PowerPoint, Publisher & FrontPage.
- Proficient in IBM SPSS Statistics.
- Proficient in GraphPad Prism.
- Proficient in BioRender

Community Service

- **Adviser to the CEO**, Al-Zahraa Hospital University Medical Center, Beirut, Lebanon. *August 2016 – Ongoing.*
- **Forbes Contributor**, Forbes.com. *November 2018 – March 2019.*
- Volunteer, Sesobel – a non-profit school that accommodates Lebanese children with neuromuscular and other disabilities. *January 2017 – February 2017.*
- Volunteer, Tahaddi Lebanon – a local non-profit organization that strives to provide quality health and education services to economically and socially marginalized families in Beirut, Lebanon. *January 2017 – February 2017.*
- Member, Standing Committee on Research Exchange, Lebanese Medical Students International Committee. *September 2012 – June 2013.*
- Co-Founder and Secretary General, Great Minds Club, AUB. *September 2011 – July 2013.*
- Volunteer, Lebanese Association of Spine Surgery. *February 2012 – August 2012.*

- Senior Representative, Biology Student Society, AUB. *September 2011 – September 2012.*

External Links

- Wikipedia (English): https://en.wikipedia.org/wiki/Jawad_Fares
- Wikipedia (Arabic): [جواد فارس](https://ar.wikipedia.org/wiki/جواد_فارس)
- LinkedIn: <https://www.linkedin.com/in/jyfares/>
- Twitter: <https://twitter.com/DrJawadFares>
- ResearchGate: https://www.researchgate.net/profile/Jawad_Fares
- Google Scholar: <https://scholar.google.com/citations?user=-sPC5r4AAAAJ&hl=en>
- ORCID: <https://orcid.org/0000-0002-5368-8764>
- Publons: <https://publons.com/a/1173414>
- YouTube Channel: <https://www.youtube.com/user/jawadfares1/>
- Forbes 30 Under 30: <https://www.forbes.com/profile/jawad-fares/>
- GEN Top 10 Under 40: <https://www.genengnews.com/the-lists/top-10-under-40/77901097>