

**DR. NOUF MAHDI ALI ALYAMI**

Ph.D. in Cell and Molecular Biology, Cancer Biology

Faculty member at

King Saud University

Zoology Department

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**EDUCATION**

**الحصول على شهادة الدكتوراة**

Doctor of Philosophy in Science, (2019)

*Cell Biology and Molecular, Cancer Biology, Colorado State University, USA.*

**الحصول على شهادة الماجستير**

Master of Science, Summa cum Laude (2011)

*Cell Biology and Molecular Genetics King Saud University Riyadh, KSA.*

**الحصول على شهادة البكالوريوس**

Bachelor of Science, Magna cum Laude (2005) Zoology, *College of Science Princess Noura University Riyadh, KSA*

**تعريف بالتخصص**

علم الوراثة الجزيئية هو فرع من العلوم يدرس ويستكشف الدور الكيميائي والأساسي للمواد الوراثية أو الجينات في الخلية. تحمل الجينات جميع التعليمات والمعلومات اللازمة لتكوين خلية طبيعية. ومع ذلك، فإنه يمكن أن يسبب أيضًا أمراضًا موروثية من جيل إلى آخر، مثل السرطان. علم الوراثة الجزيئية المتخصص في بيولوجيا السرطان هو مزيد من البحث في العديد من الجينات أو الجينات المسرطنة أو مثبطات الأورام التي تلعب دورًا مهمًا في بدء السرطان وتطوره.

**PUBLICATIONS** اوراق علمية

- **Alyami, N.M., Alyami, H.M. & Almeer, R.** Using green biosynthesized kaempferol-coated silver nanoparticles to inhibit cancer cells growth: an in vitro study using hepatocellular carcinoma (HepG2). *Cancer Nano* **13**, 26 (2022). <https://doi.org/10.1186/s12645-022-00132-z>
- **Alyami, N.M., Abdi, S., Alyami, H.M. et al.** Proanthocyanidins alleviate pentylenetetrazole-induced epileptic seizures in mice via the antioxidant activity. *Neurochem Res* (2022). <https://doi.org/10.1007/s11064-022-03647-4>

- **ALYAMI, Nouf M.** MicroRNAs Role in Breast Cancer: Theranostic Application in Saudi Arabia. *Frontiers in Oncology*, 2021, 4313 <https://doi.org/10.3389/fonc.2021.717759>.
- Zhang, Q., kandasamy, K., **Alyami, N.M. et al.** Influence of *Padina gymnospora* on Apoptotic Proteins of Oral Cancer Cells—a Proteome-Wide Analysis. *Appl Biochem Biotechnol* (2022). <https://doi.org/10.1007/s12010-022-04045-w>
- C. Anil Kumar, S. Harish, Prabha Ravi, Murthy SVN, B. P. Pradeep Kumar, V. Mohanavel, **Nouf M. Alyami**, S. Shanmuga Priya, Amare Kebede Asfaw, "Lung Cancer Prediction from Text Datasets Using Machine Learning", *BioMed Research International*, vol. 2022, Article ID 6254177, 10 pages, 2022. <https://doi.org/10.1155/2022/6254177>
- Almotairi, B. O., Daoud, D. A., Yaseen, K. N., Alothman, N., **Alyami, N.**, Almukhlafi, H., & Alarifi, S. *Mechanisms of apoptotic cell death by stainless steel nanoparticle through reactive oxygen species and caspase 3 activities on human liver cells.* *Frontiers in Molecular Biosciences*, 830. *Front. Mol. Biosci.*, 24 September, 2021 <https://doi.org/10.3389/fmolb.2021.729590>
- B. Almutairi, D. Ali, **N. Alyami**, N.S. Alothman, S. Alakhtani, and S. Alarifi, *Tantalum doped TiO2 nanoparticles induced cytotoxicity and DNA damage through ROS generation in human neuroblastoma cells.* *Journal of King Saud University-Science*, 2021;101546. <https://doi.org/10.1016/j.jksus.2021.101546>
- Almukhlafi H, Ali D, Almutairi B, Yaseen KN, **Alyami N**, Almeer R, Alkahtani S, Alarifi S. *Role of Oxidative Stress in La2O3 Nanoparticle-Induced Cytotoxicity and Apoptosis in CHANG and HuH-7 Cells.* *Int J Nanomedicine*. 2021;16:3487-3496 <https://doi.org/10.2147/IJN.S302478>
- Bader Almutairi, Gadah Albahser, Rafa Almeer, **Nouf M. Alyami**, Hanouf Almukhlafi, Khadijah N. Yaseen, Saad Alkahtani, Saud Alarifi. *Investigation of Cytotoxicity Apoptotic and Inflammatory Responses of Biosynthesized Zinc Oxide Nanoparticles from Ocimum sanctum Linn in Human Skin Keratinocyte (Hacat) and Human Lung Epithelial (A549) Cells*, *Oxidative Medicine and Cellular Longevity*, vol. 2020, Article ID 1835475, 9 pages, 2020. <https://doi.org/10.1155/2020/1835475>
- **Nouf M. Alyami**, Brian T. Kalet, Liza Pfaff, Sarah Peck & Dawn L. Duval (2019). *Defining the Significance of Insulin-like Growth Factor 2 mRNA-Binding Protein 1 (IGF2BP1) Expression in both Human and Canine Osteosarcoma.* Published Online:1 Apr 2019. doi:[10.1096/fasebj.2019.33.1\\_supplement.815.8](https://doi.org/10.1096/fasebj.2019.33.1_supplement.815.8)
- **Al-Yami N**, Al-Jbali L, M AlGhamdi K, Alkuraya FS. *No evidence for rare pathological SIAE coding variants in patients with vitiligo.* *Int J Dermatol*. 2013 Aug;52(8):1019-21. doi: [10.1111/j.1365-4632.2011.05054.x](https://doi.org/10.1111/j.1365-4632.2011.05054.x). Epub 2012 Aug 22. PMID: 22913750.

**Work Lecturer/Teaching Faculty King Saud University, College of Science Riyadh, KSA**

تم العين على وظيفة معيد من تاريخ 1424\12\23 الي تاريخ 1433\02\21 و من ثم تعين على رتبة محاضر من تاريخ 1433\02\21 الي تاريخ اليوم.

**EXPERIENCE from May 2008 to March 2012**

- Taught undergraduate classes in the Department of Zoology (ZOO101, ZOO102, ZOO331, ZOO145, GEN353)
- Taught Master's-level course in the Department of Zoology (GEN505 [Molecular Genetics])
- Developed curricula, crafted lesson plans, worked with cutting- edge pedagogical technology
- Coordinated with other faculty members and administrators

**Work Lecturer/Teaching Colorado State University, Clinical sciences, USA**

تدريس في الجامعة الامريكية كولورادو في 2015

**EXPERIENCE August 2015**

- CM510 Intro to Cell and Molecular Programmer at Colorado State University

**ACCOMPLISHMENTS AND AWARDS جوائز و شهادات تقدير**

- 2016 CMB/MCIN/BMB Spring Poster Symposium award for my poster
- 2016-2017 International presidential Fellow

**COMMUNITY SERVICES خدمة المجتمع**

- 2018 Culture Mentor for international students
- 2017 Bennett elementary school 'International Day'

**CERTIFICATIONS شهادات حضور**

- *Certificate attending KFSH&RC Webinar Series "Genetics and Infection in View of Covid-19", KFSH&RC, Riyadh, KSA 2020.*
- *Certificate attending KFSH&RC Webinar Series "Research During Pandemic", KFSH&RC, Riyadh, KSA 2020.*
- *Certificate attending KFSH&RC Webinar Series Neurological Complications of*

*COVID-19, KFSH&RC, Riyadh, KSA 2020.*

- *Certificate attending Webinar Series Preparing ICU for Pandemic, KFSH&RC, Riyadh, KSA 2020.*
- *Certificate attending Webinar Series Pharmacy Initiative and Workflow to Combat COVID-19 Pandemic, KFSH&RC, Riyadh, KSA 2020.*
- *Certified Workshop "ProQuest database" King Saud University, Riyadh, KSA 2020.*
- *Certificate attending "Medical Education department at Qassim Uni. Invites you to: International debate: Assessment of medical students during COVID-19 Pandemic Confirmation" Qassim University, Buraidah, KSA 2020.*
- *Certificate attending the Experimental Biology (EB) Meeting at the Orange County Convention Center in Orlando, FL over the dates of April 6 - 9, 2019.*
- *18th Annual CVMBS Research Day at Colorado State University, USA, 2017.*  
*CMB/MCIN/BMB Spring Poster Symposium at Colorado State University, USA, 2017.*  
*17th Annual CVMBS Research Day at Colorado State University, USA, 2016.*
- *CMB/MCIN/BMB Spring Poster Symposium at Colorado State University, USA, 2016.*  
*CMB/MCIN/BMB Spring Poster Symposium at Colorado State University, USA, 2015.*
- *Certified Trainer Mahwiba Program: "Biotechnology and Infertility— In-Vitro Fertilization Methods" King Saud University, Riyadh, KSA 2011.*
- *Certified Workshop Leader "Launching and Funding Your Independent Research Project" King Saud University, Riyadh, KSA 2008.*
- *Certified Trainer "Polymerase Chain Reaction: Isolating and Replicating the HEXB Gene" King Saud University, Riyadh, KSA 2007.*
- *Certified Trainer "Biological and Medical Research Department, Allergy and Aerobiology" King Faisal Specialist Hospital and Research Center, Riyadh 2007.*
- *Certified Trainer "Biological and Medical Research Department, Environmental Health" King Faisal Specialist Hospital and Research Center, Riyadh 2007.*
- *Certified Trainer "Immuno- and Gel Electrophoresis: Sizing Proteins and Isolating Genes" King Saud University, Riyadh, KSA 2007.*

Dr. Alyami Resume, Monday, August 28, 2023

- *Certified Trainer “MCF-7: Tissue Culture, In-Vitro Cultivation, and Estradiol Processing” King Saud University, Riyadh, KSA 2007.*
- *Certified Workshop Leader “Nano-research at Universities” King Saud University, Riyadh, KSA 2007.*
- *Certified Workshop Leader “Zoological and Genetic Research: Getting Started” King Saud University, Riyadh, KSA 2006.*
- *Certificate of Completion Neurophysiological Training Program (EEG, Clinical EEG, Pharma, Physio) King Faisal Specialist Hospital and Research Center, Riyadh, KSA 2006.*
- *Certificate of Completion TESOL Program Al-Faisal International Academy, Riyadh, SA 2005.*