

CURRICULUM VITAE – Rushdi S FADHIL

Personal Information:

Name: Rushdi Saadi Fadhil

Family Name (surname): Fadhil

Address: Baghdad - Iraq

Nationality: Iraqi

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Education (Qualifications):

- PhD in molecular pathology of head and neck cancer, School of Medical Science and Dentistry and Oral Health, Griffith University, Australia.
- Master's degree in medical analysis (Virology) from college of Medical Technology and Health / Foundation of Technical Education, Iraq
- Hi Diploma degree in medical analysis (Bacteriology) from college of Medical Technology and Health / Foundation of Technical Education, Iraq
- B.Sc. Microbiology College of science, Al-Mustansiriya University, Iraq

Work Experience:

2015- current: Laboratory manager, Prof. Ming Wei's Lab, School of Medical Science, Griffith University-Parklands drive, Southport, QLD, Australia.

2016- current (casual): Teaching assistant for the course of oral microbiology in School of Dentistry (2105MSC), Griffith University-Parklands Drive, Southport, QLD, Australia.

1995-1996: Laboratory manager and specialist in Ibn Hian medical lab, Baghdad/Iraq

From 1996-2003: Laboratory manager and specialist in Al-Zehraa medical lab of Al-Zehraa privet hospital, Baghdad/Iraq.

1998- 2003: Laboratory manager and specialist in Jenin medical lab of Jenin privet hospital, Baghdad/Iraq.

2003-2010: Laboratory manager and specialist in Iraqi centre for cancer and medical genetic researches (ICCMGR)-Medical genetic department, Baghdad/Iraq.

2011-2014: Associated lecturer and teaching assistant in the molecular department of (ICCMGR)/Iraq.

CURRICULUM VITAE – Rushdi S FADHIL

20011-2014: Associate lecturer and teaching assistant in the biology department of Al-Mustansiriya University.

2015-2020: PhD Candidate with Scholarship. School of Medical Science, Griffith University, Parklands Drive, Southport, QLD, Australia 4215.

2020-current: Research Fellow in Dentistry School and Oral Health, Griffith University.

Key Skills

- miRNA profiling using next-generation sequencing of the microbial genes using MiSeq Illumina platform
- DNA extraction and purification from human samples
- RNA extraction and purification from human samples
- miRNA quantification and diagnosis using quantitative real-time PCR method
- Next-generation sequencing data analysis using advanced software programs such as QIIME and Mothur
- National Health and Medical Research (NHMRC) ethics application
- OGTR (DNIR) application and regulations for PC2 and PC3 laboratory
- Microbial identification and characterization using molecular, serological and biochemical methods
- Immunological methods such as ELISA
- DNA and protein electrophoresis
- Tissue culture experience

Research Grants

- Fadhil R, Nair RG (2016) salivary miRNA and/ or its profiles As a potential marker for early Of Head and Neck. Awarded by Griffith Dentistry and Oral Health. Value: \$4000.
- Fadhil R, Nair RG, Hamlet SM, Sohrabi M (2018) Role of microbiome and oral micro RNAs in oral and oropharyngeal cancer. Awarded by Australian Dental Research Foundation Value: 15000 Aus \$
- Fadhil R, Nair RG. Role of salivary bio-molecules in oral and oropharyngeal cancer diagnosis. Awarded by Griffith Dentistry and Oral Health. Value: \$15000

CURRICULUM VITAE – Rushdi S FADHIL

Certificates and Training Courses:

- English language course (8 months) at Griffith English Language Institute (GELI) of Griffith University, Gold Coast Campus/ Australia.
- English language efficiency certificate after official examination at university of Baghdad.
- English language course (3 months in advanced level) at ministry of labor and social affairs.
- English language course (3 months in translation) at ministry of labor and social affairs.
- Computer training course (1 month) in Al- Mustansiriya University.
- Pathology course, IC3 certificate, Tafe, Australia
- Tissue culture workshop, MSC, Griffith university, Australia

Languages Spoken and Written Fluently:

- Arabic language
- English language

Citations on Scientific Merit:

Two citations from Minister of High Education and Scientific Research.

One citation from the President of Al-Mustansiriya University.

Two citations from Iraqi Center For Cancer Research and Medical Genetics.

Professional Membership

- Menzies Health Institute Queensland (MHIQ), 2015-present
- Australian Institute of Medical Scientist (AIMS) 2017-present
- Australian Society for Medical Research (ASMR) 2018- present

Research Publications:

Fadhil RS. PhD Thesis: Salivary micro RNAs as Potential Biomarkers for Oral and Head and Neck Cancers. Griffith University, August 2020.

Fadhil RS. (2105). Prevalence of epstein- barr virus in cervical carcinoma. World Journal of Pharmaceutical Research, 4(4), 34-37.

CURRICULUM VITAE – Rushdi S FADHIL

Fadhil, RS, Nair RG, Nikolarakos D, Wei MQ. Next generation sequencing identifies novel diagnostic biomarkers for head and neck cancers. *Oral Cancer*, 2019. 3(3): p. 69-78.

<https://link.springer.com/article/10.1007/s41548-019-00019-5#citeas>

Fadhil, R.S, Wei1 MQ, Nikolarakos D, Good D, Nair RG. Salivary microRNA miR-let-7a-5p and miR-3928 could be used as potential diagnostic bio-markers for head and neck squamous cell carcinoma. *PLOS ONE*, 2020.15(3): p. e0221779.

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0221779>

Lu Yang, Rushdi FS, BinBin Y, David G, Wei L, et al. The Effects of Traditional Chinese Medicine on Immunomodulation for Cancer Therapy. *Adv Complement Alt Med*. 4(2). ACAM.000581.2019. DOI: 10.31031/ACAM.2019.04.000581

<https://crimsonpublishers.com/acam/pdf/ACAM.000581.pdf>

Liu, W., et al., Therapeutic Effects of Ten Commonly Used Chinese Herbs and Their Bioactive Compounds on Cancers. *Evidence-Based Complementary and Alternative Medicine*, 2019. 2019: p. 6057837.

<http://downloads.hindawi.com/journals/ecam/2019/6057837.pdf>

There are five research manuscripts in progress originated from the PhD thesis and other research.

National and International Conference Presentations:

Fadhil, R., Nair, RG., Nikolarakos, D., Wei, M. Q. next-generation-sequencing-profiling-identifies-mir-3928-5p-and-mir-7703-as-potential-novel-diagnostic-biomarker-for-oral squamous cell carcinoma. Paper presented at 2017 Japanese Division Annual Meeting (Tokyo, Japan).

Publication link

<https://iadr.abstractarchives.com/abstract/jadr2017-2823802/next-generation-sequencing-profiling-identifies-mir-3928-5p-and-mir-7703-as-potential-novel-diagnostic-biomarkers-for-oscc>

Fadhi, R., Nair, R. G., Mosawy, S., Wei, M. Q. Evaluation of Oncogenic Micror-21 Expression Associated with Alcohol Consumption and Smoking. Paper presented at Poster Session 2017

CURRICULUM VITAE – Rushdi S FADHIL

IADR Australian & New Zealand Division Annual Meeting (Adelaide, SouthAustralia)
(Australia)

Publication link

<https://iadr.abstractarchives.com/abstract/anz-iadr2017-2804260/evaluation-of-oncogenic-micror-21-expression-associated-with-alcohol-consumption-and-smoking>

Fadhil Rushdi, Nair Raj, Nikolarakos Dimitrios, Hashimi Saeed, Wei Ming. upregulation-of-salivary-mirnas-as-clinical-biomarker-in-oral-cancer. Paper presented at 2018 IADR/AADR/CADR General Session (San Francisco, California, USA)

Publication link

<https://iadr.abstractarchives.com/abstract/17iags-2588119/upregulation-of-salivary-mirnas-as-clinical-biomarker-in-oral-cancer>

Fadhi, R., Wei, M. Q, Nikolarakos, D., Good, D., Nair, R. G. Mir-3928 in Saliva as Potential Biomarker for Head and Neck Squamous Cell Carcinoma. Paper presented at 2019 IADR Poster Session (Vancouver, BC, Canada)

Publication link

<https://iadr.abstractarchives.com/abstract/19iags-3185831/mir-3928-in-saliva-as-potential-biomarker-for-head-and-neck-squamous-cell-carcinoma>

Fadhil, R., Nair, R. G., Nikolarakos, D., Wei, M. Q. Discovery of salivary extracellular microRNA biomarker for the non-invasive detection of Head and Neck Squamous Cell Carcinoma. Paper presented at National Scientific Conference Elder Conservatorium of Music, University of Adelaide in 2018.

Fadhil, R. Salivary miRNA and its Profiling as a Potential Marker for Early Diagnosis of Head and Neck and Gastrointestinal Cancers. School of Dentistry and Oral Health Research Day, 2016. Griffith University, Gold Coast, Australia (invited talk).

Fadhil, R. Human Salivary Micro-RNA in Patients with Oral Squamous Cell Carcinoma. School of Dentistry and Oral Health Research Day, 2017. Griffith University, Gold Coast, Australia (invited talk).

CURRICULUM VITAE – Rushdi S FADHIL

Fadhil, R. Exploiting Salivary miR-21 as Clinical Biomarker in Tonsil Squamous Cell Carcinoma. School of Dentistry and Oral Health Research Day, 2018. Griffith University, Gold Coast, Australia (invited talk)

CURRICULUM VITAE – Rushdi S FADHIL

Referees:

Professor Ming Q Wei

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Dr Magtouf Gatei

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