

CURRICULUM VITAE – Rushdi S FADHIL

Personal Information:

Name: Rushdi Saadi Fadhil

Family Name (surname): Fadhil

Address: Baghdad, Iraq

Nationality: Iraq

Personal Email: rushdisaadi@gmail.com,

Mobile: +964 7704774261

Education (Qualifications):

- PhD in molecular pathology of head and neck cancer, School of Medical Science and Dentistry and Oral Health, Griffith University, Australia.
Dissertation Title: (Salivary micro RNAs as potential biomarkers for oral and head and neck cancers) in Australia.
- Master's degree in medical analysis (Virology) from college of Medical Technology and Health / Foundation of Technical Education, Iraq
Thesis Title: (Association of HBV, HCV and HIV infection in patients with Coolyze anaemia and Chronic Myeloid Leukemia in Baghdad).
- High Diploma degree in medical analysis (Bacteriology) from college of Medical Technology and Health / Foundation of Technical Education, Iraq
Project Title: (The role of gram-negative bacteria in paediatric hospital)
- 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.

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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.

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.

2020-current: casual interpreter with Language Loop company and Translationz company.

2021-current: Rapporteur of the Department of Cancer Researches.

2022-current: Chairman of Cancer Research Department.

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.

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- 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

Certificates and Training Courses:

- English language course (8 months) at Griffith English Language Institute (GELI) of Griffith University, Gold Coast Campus/ Australia.
- Course in Tafe, South Brisbane, Australia for NAATI requirements for the Certified Provisional Interpreter/ Translator Test.
- 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

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- 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.

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

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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 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 Rusydi, 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.

CURRICULUM VITAE – Rusydi S FADHIL

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).

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 – Rusydi S FADHIL

Referees:

Professor Ming Q Wei

School of Medical Science, Menzies Health Institute Queensland, Griffith University, Gold Coast, 4215, Australia

Tel: +61756780745/ +610422888780, E-mail: m.wei@griffith.edu.au

Professor Nahi Yaseen

Director General of Iraqi Centre for Cancer & Medical Genetics Research /Cancer Research (ICCMGR).

E.mail: nahiyaseen@iccmgr.org

Raj Nair

School of Dentistry and Oral Health, Menzies Health Institute Queensland, Griffith University, Gold Coast, 4215, Australia

Tel: +61(0)7-567 80753, Fax: +61(0)7-567 80789, E-mail: r.nair@griffith.edu.au

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Tel: 07 3362 0222 , E-mail: m.gatei@uq.edu.au

Dr. Mahmoud Al-Bassam

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معلومات شخصية:

الاسم: رشدي سعدي فاضل

اسم العائلة (اللقب): فاضل

العنوان: بغداد، العراق

الجنسية: العراق

البريد الإلكتروني الشخصي: rushdisaadi@gmail.com

الجوال: 07704774261

التعليم (المؤهلات):

• دكتوراه في علم الأمراض الجزيئي لسرطان الرأس والرقبة، كلية العلوم الطبية وطب الأسنان وصحة الفم، جامعة جريفيث، أستراليا. عنوان الأطروحة: (المايكرو أر أن أي اللعابي كمؤشرات حيوية محتملة لسرطان الفم وسرطان الرأس والرقبة) في أستراليا.

• درجة الماجستير في التحاليل الطبية (علم الفيروسات) من كلية التقنية الطبية والصحة / مؤسسة التعليم الفني، العراق

عنوان الأطروحة: (العلاقة بين الإصابة بفيروس التهاب الكبد B وفيروس التهاب الكبد C وفيروس نقص المناعة البشرية لدى مرضى فقر الدم Coolyze anemia وسرطان الدم النخاعي المزمن CML في بغداد).

• درجة الدبلوم العالي في التحاليل الطبية (علم الجراثيم) من كلية التقنية الطبية والصحة / مؤسسة التعليم الفني التقني في بغداد، العراق

عنوان المشروع: (دور البكتيريا سالبة الجرام في مستشفى الأطفال)

• بكالوريوس. كلية العلوم فرع الميكروبيولوجية، الجامعة المستنصرية، العراق

خبرة في العمل:

• 2015-2018: مسؤول مختبر، مختبر البروفيسور Prof.Ming Wei، كلية العلوم الطبية، جامعة جريفيث- كوينزلاند، أستراليا.

• 2016 – 2020 مدرس مساعد وتدريسي لمقرر علم الأحياء الدقيقة في كلية طب الأسنان (MSC2105) ، جامعة جريفيث- كوينزلاند، أستراليا.

• 1995-1996 مسؤول مختبر في مختبر ابن حيان الطبي، بغداد/العراق

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- 1996-2003 مسؤول مختبر في مختبر الزهراء الطبي التابع لمستشفى الزهراء الخاص، بغداد/العراق.
- 1998 – 2003 : مسؤول مختبر جنين طبي التابع لمستشفى جنين الخاص، بغداد/العراق.
- 2003-2010: مدير مختبر وأخصائي في المركز العراقي لأبحاث السرطان والأبحاث الوراثية الطبية (ICCMGR) – قسم الجينات الطبية، بغداد/العراق.
- 2011-2014: محاضر ومساعد تدريس في القسم الجزيئي في (ICCMGR)/العراق.
- 2001-2014: مدرس مشارك ومعاون تدريس في قسم الأحياء في الجامعة المستنصرية.
- 2015-2020: مرشح للدكتوراه بمنحة دراسية. كلية العلوم الطبية، جامعة جريفيث، باركلاندز درايف، ساوثبورت، كوينزلاند، أستراليا 4215.
- 2020-2021: زميل باحث في كلية طب الأسنان وصحة الفم، جامعة جريفيث.
- 2020-2021: مترجم فوري مع شركة Language Loop وشركة Translationz.
- 2021 - الحالي: مقرر قسم أبحاث السرطان.
- 2022 - الحالي: رئيس قسم أبحاث السرطان.

المهارات الأساسية

- تحديد ملامح miRNA باستخدام تقنية NGS في الجينات الميكروبية باستخدام منصة MiSeq Illumina
- استخراج وتنقية الحمض النووي من العينات البشرية
- استخراج وتنقية الحامض النووي الريبي من العينات البشرية
- القياس الكمي والتشخيص أم أر أن أي باستخدام طريقة real time PCR
- تحليل بيانات ال NGS باستخدام برامج حاسوبية متقدمة مثل Mothur و Qiime
- تطبيق أخلاقيات الصحة الوطنية والبحوث الطبية (NHMRC).
- تطبيق ولوائح (OGTR DNIR) لمختبر PC2 و PC3
- تحديد وتوصيف الميكروبات باستخدام الطرق الجزيئية والمصلية والكيميائية الحيوية
- التطبيق المناعية مثل ELISA
- الترحيل الكهربائي للحامض النووي والبروتين.
- الزراعة الأنسجة Tissue Culture

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المنح البحثية

- **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**

الشهادات والدورات التدريبية:

- دورة اللغة الإنجليزية (8 أشهر) في معهد جريفيث للغة الإنجليزية (GELI) بجامعة جريفيث، حرم جولد كوست / أستراليا.
- دورة تدريبية في Tafe، جنوب بريسبن، أستراليا لمتطلبات NAATI الخاصة باختبار المترجم الفوري المعتمد.
- شهادة كفاءة اللغة الإنجليزية بعد الامتحان الرسمي في جامعة بغداد.
- دورة اللغة الإنجليزية (3 أشهر في المستوى المتقدم) في وزارة العمل والشؤون الاجتماعية.
- دورة اللغة الإنجليزية (3 أشهر في الترجمة) في وزارة العمل والشؤون الاجتماعية.
- دورة تدريبية في الحاسوب (شهر واحد) في الجامعة المستنصرية.
- دورة علم الأمراض، شهادة IC3، تافي، أستراليا
- ورشة زراعة الأنسجة، MSC، جامعة جريفيث، أستراليا
- ورشة عمل للمضادة الأحادية Monoclonal antibody في جامعة تبريز في إيران.

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اللغات المنطوقة والمكتوبة بطلاقة:

- اللغة العربية
- اللغة الإنجليزية

كتب الشكر عن الجدارة العلمية:

- كتاب شكر وتقدير من وزير التعليم العالي والبحث العلمي.
- كتاب شكر وتقدير من المركز العراقي لأبحاث السرطان والوراثة الطبية.

العضوية المهنية في المنظمات والجمعيات العالمية والعراقية

- معهد الصحي في كوينزلاند (MHIQ) منذ 2015 حتى الوقت الحاضر.
- المعهد الأسترالي لعلماء الطب منذ 2017 (AIMS) حتى الوقت الحاضر.
- الجمعية الأسترالية للأبحاث الطبية AMSR منذ 2018 حتى الآن.

المنشورات البحثية:

- 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.
- 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>

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- Lu Yang, Rusydi 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.

المشاركة في المؤتمرات

- 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 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 Rusydi, 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)

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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).
- 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)

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المراجع العلمية

- Professor Ming Q Wei

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- Professor Nahi Yaseen

Director General of Iraqi Centre for Cancer & Medical Genetics Research /Cancer Research (ICCMGR).

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- Raj Nair

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- Dr Magtouf Gatei

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- Dr. Mahmoud Al-Bassam

University of California San Diego, USA

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