

Fwd: New Applicant for Position: Analytical Chemist LCMS Specialist in Breath Biomarker Analysis (ID #: 11470189)

From: **Aaron Roebuck** | aroebuck@breathdiagnostics.com

May 4 at
20:22

To: **Dean Johnson** | dean@breathdiagnostics.com, **Logan Zechella** | Loganzechella@breathdiagnostics.com

From: **American Society for Mass** | ClientServ@yourmembership.com

To: **Aaron** | aroebuck@breathdiagnostics.com

May 2 at
11:20

Aaron -

You have received a new job application!

Below is a summary of this application. To view the entire application, go to asms-jobs.careerwebsite.com/send/applic.cfm?s=15506&id=8600849&e=2020450&r=6213671&c=344060586

NOTE: RESPONDING TO THIS E-MAIL WILL CONTACT THE JOB APPLICANT

----- POSTING -----

Job ID: 77921804
Job Name: Analytical Chemist LCMS Specialist in Breath Biomarker Analysis
Job Position: Analytical Chemist LCMS Specialist in Breath Biomarker Analysis
Posted: Apr 18, 2025
Job Board: American Society for Mass Spectrometry

----- JOB SEEKER -----

User ID: C11470189
Name: Paulo Gomes
E-mail: pauloclaire@gmail.com
Address: Araraquara, Sao Paulo Brazil

LinkedIn or Personal Page URL: www.linkedin.com/in/paulo-lima-gomes-961b2a3a/

----- COVER LETTER / MESSAGE -----

Paulo Gomes

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+55 16 981470433

paulocclair@gmail.com

05/02/2025

Search Committee

Breath Diagnostics

Louisville, Kentucky,

Dear Search Committee,

I am writing to express my strong interest in the Analytical Chemist position at Breath Diagnostics. The opportunity to apply my advanced expertise in Liquid Chromatography-Mass Spectrometry (LC-MS), particularly my experience with complex matrices, is stimulating and aligns perfectly with my analytical skills and research interests.

My doctoral research provided me with a comprehensive foundation in separation science, including extensive hands-on experience with HPLC and various mass spectrometry techniques. My postdoctoral work further honed my skills in LC-MS/MS, where I focused on developing and optimizing methods for trace-level analysis in biofluid samples. This experience, coupled with my familiarity with sample preparation techniques for complex matrices, makes me well-equipped to contribute to this role's sample collection and preparation aspects, including elution, dilution, internal standard addition, and derivatization for LC-MS analysis.

The emphasis on LC-MS operation and maintenance is a key strength of my background. I have significant experience operating and maintaining high-performance liquid chromatography systems coupled with mass spectrometers. The fundamental principles of chromatographic separation using various columns and gradient elution with LC-MS-grade solvents, as well as MS and MS/MS operation under positive ESI mode, are areas where I possess strong technical proficiency. My postdoctoral research involved method development and optimization using LC-MS/MS, focusing on enhancing sensitivity and resolution, skills directly applicable.

My experience in data acquisition, analysis, and compound identification through retention time comparison with standards is directly relevant to this position. Furthermore, my work involved quantitative analysis using internal standards and calibration curves, including determining key analytical parameters such as LOD, LOQ, accuracy, and precision.

My strong foundation in analytical chemistry, particularly in sample preparation techniques for complex biological matrices, and my proven ability to learn and implement new methodologies, make me a quick and effective learner in these areas.

My publication record and experience preparing technical reports and presenting research findings underscore my strong documentation and reporting skills. I also have strong problem-solving and troubleshooting capabilities. I am also a collaborative team player with excellent communication skills, honed through my experience as an Assistant Professor and researcher.

I am enthusiastic about the opportunity to contribute my analytical expertise to Breath Diagnostics' biomedical research and diagnostic development efforts, particularly in the innovative exhaled breath analysis for carbonyl compounds. My strong background in LC-MS, method development, data analysis, and analytical chemistry makes me a confident and highly motivated candidate for this position. I appreciate your consideration. My curriculum vitae is attached for your review, and I welcome the opportunity to discuss my qualifications further in an interview.

Sincerely,

Dr. Paulo Clairmont Feitosa de Lima Gomes

----- RESUME -----

To view the full resume, please go to

[asms-jobs.careerwebsite.com/send/applic.cfm?
s=15506&id=8600849&e=2020450&r=6213671&c=344060586](https://asms-jobs.careerwebsite.com/send/applic.cfm?s=15506&id=8600849&e=2020450&r=6213671&c=344060586)

If you have questions or need assistance, please contact Client Services by email at
clientserv@yourmembership.com or by phone at 860-437-5700 (toll-free inside the US).
asms-jobs.careerwebsite.com/r/company/index.cfm?site_id=15506

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