

File No.:	56026xx
Position No.:	00051000
Job Code:	
RCUH Pay Range:	E23
FLSA:	Exempt
EEO Cat.:	02B - Professional (Research)
WC Classification:	4511
Effective Date:	03/23/26

POSTDOCTORAL RESEARCHER (FOOD COLLOID)

College of Tropical Agriculture and Human Resilience Department of Human Nutrition, Food & Animal Sciences

- I. SUMMARY OF POSITION:** Regular, Full-Time, Limited-Term (not to exceed eighteen (18) months in duration from date of hire), RCUH Non-Civil Service position with the College of Tropical Agriculture and Human Resilience (CTAHR), Department of Human Nutrition, Food and Animal Sciences located at the University of Hawaii at Manoa, in Honolulu, Hawai'i. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, availability of funds, and compliance with applicable Federal/State laws.

SUMMARY OF DUTIES: Leads, develops, and validates novel experiments related to colloid fabrication, physicochemical stability tests, interfacial properties, protein characterization, solvent/bioactive compound extraction (including nut-derived oleosomes). Utilizes an interdisciplinary approach that combines materials science, analytical chemistry, and food analysis techniques, the scholar will address knowledge gaps to improve plant-based milk alternatives and broader consumer goods. Analyzes data, including collection, organization, and interpretation of data from core research experiments. Writes and disseminates manuscripts for submission to peer-reviewed journals or review/revision of manuscripts for submission. Develops presentation materials (oral and/or written) for conferences and meetings. Assists with overseeing lab organization, documentation, and day-to-day lab management. Assists with mentoring and overseeing undergraduate and graduate students and their research. Assists with writing grant submissions and/or working independently on grant submissions. Attends, leads and/or organizes workshops related to professional development (e.g., CV/resume refining, networking, etc.).

II. SCOPE OF POSITION:

A. Reports to:

Principal Investigator	Dr. Kacie Ho
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B. Supervises: None.

C. Budgetary and/or Fiscal Responsibilities (applicable for only positions responsible for budgeting, payroll or procurement): None.

D. RCUH Human Resources or Financial Portal Access and Action Authorization Levels: None.

E. Level of Interaction: Receives limited supervision from the Principal Investigator (PI). Must be able to perform and complete tasks independently and provide regular (e.g., weekly) updates (in written and oral form) to the PI. Interacts and assists with overseeing graduate student and undergraduate student research in the laboratory. Work is primarily performed in a laboratory environment. On occasion, the individual may also need to interact with internal (departmental) staff and faculty. Interacts and communicates (verbally, in written form or electronically) respectfully and professionally with supervisors, co-workers and others at all times.

II. MAJOR DUTIES & RESPONSIBILITIES (See column instruction below):

IIIA = % time/effort

IIIB = Place X if job duty is an Essential Job Function

IIIC = Job duty number (**BOLD if Primary Duty**)

IIID = Narrative description of Job Duty (**BOLD if Primary Duty**).

IIIA	IIIB	IIIC	IIID
% of Time	Essential Job Function	No.	Description of Major Duty. BOLD if Primary Duty.
50%	X	1	Core Research and Data Analysis: Leads, develops, and validates novel experiments related to colloid fabrication, physicochemical stability tests, interfacial properties, protein characterization, solvent/bioactive compound extraction (including nut-derived oleosomes). Utilizes an interdisciplinary approach that combines materials science, analytical chemistry, and food analysis techniques, addresses knowledge gaps to improve plant-based milk alternatives and broader consumer goods. Analyzes data, including collection, organization, and interpretation of data from core research experiments.
20%		2	Publication and scientific communication: Writes and disseminates manuscripts for submission to peer-reviewed journals or review/revision of manuscripts for submission. Develops presentation materials (oral and/or written) for conferences and meetings.
10%		3	Assists with overseeing lab organization, documentation, and day-to-day lab management. Assists with mentoring and overseeing undergraduate and graduate students and their research.
10%		4	Grant writing and professional development: Assists with writing grant submissions and/or working independently on grant submissions. Attends, leads and/or organizes workshops related to professional development (e.g., CV/resume refining, networking, etc.).
10%		5	Performs other duties as assigned.

III. PRIMARY QUALIFICATIONS:

	Qualification	Description
A	EDUCATION	PhD from an accredited college or university in food science, materials science, or a closely related field.
B	EXPERIENCE	Up to one (0-1) year of experience in food colloids and protein characterization.
C	KNOWLEDGE	Expert knowledge of food colloids for encapsulation of bioactive compounds.
D	ABILITIES & SKILLS	Expert ability to characterize food colloids and proteins. Ability to work independently. Good communication, interpersonal, and public speaking skills. Proficient communication skills, both written and oral. Ability to use Microsoft Office programs. Ability to use statistical analysis software (e.g. SAS, JMP, RStudio or similar). <u>Post Offer/Employment Condition:</u> Must be able to complete the UH Laboratory Safety training within one (1) months from date of hire. Must be able to complete the Environmental & Health Safety Office (EHSO) Hazardous Waste Generator training within one (1) months from date of hire. Must be able to complete the Office of Research Compliance (ORC) General Biosafety training within one (1) months from date of hire. Must be able to complete the UH Title IX training within 30 days from date of hire, and re-certify annually. Must be able to complete the Workplace Violence Prevention training within 30 days from date of hire, and re-certify annually. Must be able to complete the UH Information Security Awareness Training (ISAT) within two (2) weeks from date of hire, and re-certify every twelve (12) months.
E	PHYSICAL/MEDICAL DEMANDS	Ability to remain stationary (standing or sitting) for extended periods while performing benchtop experimental procedures, operating instrumentation, or conducting data analysis. Ability to occasionally stoop, bend, kneel, or reach to access laboratory equipment, bulk samples and lift and carry approximately twenty-five to thirty (25-30) lbs. with or without assistance. Ability to work in an environment that involves allergen exposure, including exposure to nuts. Ability to safely handle laboratory chemicals, such as organic solvents. Must be able to work in environment that has occasional exposure to moderate/high-frequency noise levels generated by specialized equipment, and use provided hearing protection equipment.

F	POLICY/REGULATORY REQUIREMENT	As a condition of employment, employee will be subject to all applicable RCUH policies, procedures, and trainings and, as applicable, subject to University of Hawai'i's and/or business entity's policies, procedures, and trainings. Violation of RCUH's, UH's, or business entity's policies and/or procedures or applicable State or Federal laws and/or regulations may lead to disciplinary action (including, but not limited to possible termination of employment, personal fines, civil and/or criminal penalties, etc.).
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IV. SECONDARY QUALIFICATIONS:

Expertise with advanced protein and interfacial characterization techniques, such as interfacial rheology and spectroscopy. Strong publication record as first author in peer-reviewed journals. Experience with preparing and submitting applications for competitive funding calls, including research proposals, training grants, or early career research awards.

- V. **(UPDATES ONLY) REVIEWED BY INCUMBENT OF POSITION:** This job description is a summary of job duties, responsibilities, and qualifications. I acknowledge that I have read and understand the changes to the job description for my position. I understand that I must contact my supervisor/manager immediately if I have any questions regarding the content of the job description.

Print Name/Signature of Employee

Date

Note: This sheet is attached to the job description. This page will be maintained with your personnel file as a copy of the official installation date of the job description.

CLASSIFICATION:

Exempt

RCUH Pay Range: PR-E23

	<u>SLOT</u>		<u>POINTS</u>
KNOW HOW	GII2		400
	<u>SLOT</u>		<u>POINTS</u>
ACCOUNTABILITY	E(3)S		175
	<u>SLOT</u>	<u>Percent</u>	<u>POINTS</u>
PROBLEM SOLVING	D3	29%	116

ATTACHMENT 1

RCUH HR Staff: SN

Please apply directly on the RCUH website to be considered for the position.

POSTDOCTORAL RESEARCHER (FOOD COLLOID) – ID# .

CLOSING DATE: _____, or until filled. **Job postings are removed from the RCUH Job Openings site once the recruitment process has ended. INQUIRIES: Dr. Kacie Ho kacieho@hawaii.edu (Oahu).**

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MONTHLY SALARY: \$6,290/Mon.

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PRIMARY QUALIFICATIONS:

EDUCATION	PhD from an accredited college or university in food science, materials science, or a closely related field.
EXPERIENCE	Up to one (0-1) year of experience in food colloids and protein characterization.
KNOWLEDGE	Expert knowledge of food colloids for encapsulation of bioactive compounds.
ABILITIES & SKILLS	Expert ability to characterize food colloids and proteins. Ability to work independently. Good communication, interpersonal, and public speaking skills. Proficient communication skills, both written and oral. Ability to use Microsoft Office programs. Ability to use statistical analysis software (e.g. SAS, JMP, RStudio or similar). <u>Post Offer/Employment Condition:</u> Must be able to complete the UH Laboratory Safety training within one (1) months from date of hire. Must be able to complete the Environmental & Health Safety Office (EHSO) Hazardous Waste Generator training within one (1) months from date of hire. Must be able to complete the Office of Research Compliance (ORC) General Biosafety training within one (1)

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POLICY/REGULATORY REQUIREMENT	As a condition of employment, employee will be subject to all applicable RCUH policies, procedures, and trainings and, as applicable, subject to University of Hawai'i's and/or business entity's policies, procedures, and trainings. Violation of RCUH's, UH's, or business entity's policies and/or procedures or applicable State or Federal laws and/or regulations may lead to disciplinary action (including, but not limited to possible termination of employment, personal fines, civil and/or criminal penalties, etc.).

SECONDARY QUALIFICATIONS:

Expertise with advanced protein and interfacial characterization techniques, such as interfacial rheology and spectroscopy. Strong publication record as first author in peer-reviewed journals. Experience with preparing and submitting applications for competitive funding calls, including research proposals, training grants, or early career research awards.

APPLICATION REQUIREMENTS: Please go to <https://www.rcuh.com/opportunities/job-openings/>. You must submit the following documents online to be considered for the position: 1) Cover Letter, 2) Resume, 3) List of Professional References, 4) Copy of Degree(s)/Unofficial or Official Transcript(s)/Certificate(s). All online applications must be submitted/received by the closing date (11:59 P.M. Hawai'i Standard Time/RCUH receipt time) as stated on the job posting. If you do not have access to our system and the closing date is imminent, please send additional documents to rcuh_recruitment@rcuh.com. If you have questions on the application process and/or need assistance, please call (808)956-7262 or (808)956-0872. Please visit <https://www.rcuh.com/policies-forms-documents/benefits-at-a-glance.pdf> for more information on RCUH's Benefits for eligible employees.

RCUH's mission is to support and enhance research, development and training in Hawai'i, with a focus on the University of Hawai'i.

RCUH is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, national origin, ancestry, age, disability, genetic information, pregnancy, marital status, reproductive health decision, citizenship, gender identity or expression, domestic or sexual violence victim status, military/veteran status, or other grounds protected under applicable federal and state laws, except as permitted by law.