

## APPLICATION FOR SERVING AS A MEMBER ON THE SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT HEARING BOARD

**INSTRUCTIONS**: Please complete this form in its entirety. Note the additional requirements listed on the third page.

**Please note that this application is a public record subject to disclosure.** This application will be maintained for a period of one year. After one year, it is necessary to file a new application for another year of eligibility.

Submit the completed application to the Clerk of the Air Pollution Control District Hearing Board at <u>APCDPublicComment@sdcounty.ca.gov</u> or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131

James		Christine		
Last Name First Name		First Name		
more common tha	n evening meetings. C	s mutually satisfactory to the members. Day meetings are currently the Hearing Board meets on Thursdays at 9:00 a.m. ole to schedule your time accordingly?		
■ Yes	□ No			
Have you ever bee	n affiliated with an ent	tity that is regulated by the Air Pollution Control District?		
🗆 Yes	■ No			
If yes, please list them here:				

What area of expertise are you seeking to represent on the APCD Hearing Board? At this time, the APCD is accepting applications for the Medical Professional position, and alternate, and one Public Member, and an alternate. The Medical Professional must have specialized skills, training or interests in the fields of environmental medicine, community medicine, or occupational/toxicologic medicine.

I am applying for the Medical Profession position on the hearing board. I am an allergist-immunologist by training, and the diseases I treat

in my field (e.g., asthma/COPD, pneumonia, sinusitis, COVID-19, seasonal and non-seasonal allergies, immune deficiencies, etc.) are

strongly affected by air pollution. In addition to clinical care, I have engaged in research, education, and advocacy efforts related to this issue.

I hope to provide guidance on this topic through my knowledge and experience of the health impacts of air pollution. I believe I would be able

to bring a needed and unique voice to the hearing board that could help to improve the health and quality of life for all San Diegans.

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of the County of San Diego.

I have seen how air pollution affects my patients regularly, both through clinical care as well as research I have done on the link between air pollution and allergic/immunologic diseases. I am also an active member of Climate Health Now, a healthcare professional organization that recognizes climate change as a public health emergency, as well as the Public Health Advisory Council of Climate Action Campaign, a San-Diego based climate change group. Through these experiences, I have given educational talks to various groups on this subject, provided expert public testimony to multiple government agencies and public bodies, and written both research articles and opinion pieces to bring attention to this issue.

Research has shown that air pollution is extremely dangerous to our health, with exposure to particulate matter contributing to between 85,000 and 200,000 premature U.S. deaths each year. San Diegans, particularly those of color, are at high risk of the health complications that come with air pollution. While we have made strides in improving our air quality, there is more that we can do to assist those who live here, and I believe that my expertise and experience will bring an important public health voice in regards to policy, research, and education on this issue.

# STATEMENT OF OCCUPATIONAL EXPERIENCE

# University of California San Diego School of Medicine

Current Employer

Health Sciences Assistant Clinical Professor Job Title Start date: 08/01/21 Dates of Employment

Previous Employers	Position Title	Dates of Employment	
Institute for Asthma and Allergy	Junior Associate	September 2018 July 2020	
University of Cincinnati/Cincinnati Children's Hospital Medical Center	Fellow in the Department of Allergy & Immunology	July 2015 June 2018	
Case Western Reserve University/University Hospitals	Resident in the Department of Internal Medicine	July 2012 June 2015	

List past County appointments with dates served, and other past or present community or public service appointments.

Committee/Organization NameClimate Health NowSeptePublic Health Advisory Council of Climate Action CampaignNover

Dates Served

September 2020 -- Present

November 2020 -- Present

# Membership qualifications for the APCD Hearing Board are as follows:

Candidates for the Air Pollution Control District Hearing Board, are required to submit evidence of their qualifications and a *Statement of Incompatible Activities* Related to *County Duties (Form 519),* that can be found on the San Diego County Air Pollution Control District's website at: www.sdapcd.org. This Application will be considered complete when such requirements are provided by the applicant. Candidates may also be asked to provide additional information.

Membership qualifications for Hearing Board Members may be accessed through the San Diego County Air Pollution Control District's website at: www.sdapcd.org or by calling (858) 586 -2739.

**Note:** Hearing Board Members will be appointed by the San Diego County Air Pollution Control Hearing Board. Each Member will serve a three-year term and are entitled to receive compensation for participation on the Hearing Board.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

# **Christine James**

Applicant's Name

Christine James

Applicant's Signature

04-30-21

Date

# **CONTACT INFORMATION**

# James

Christine

Last Name

First Name

Note: Personal information may be withheld from public view as allowed by law.

Home Street Address	City	CA State Zip
Mailing Address (if different than home address)	City	State Zip
Business Street Address	City	State Zip
Home Phone #	Business Phone #	
Phone #		
E-Mail Address (email will be the main form of con	tact regarding your application &	the interview process.

## CHRISTINE JAMES, MD, MSc

#### MEDICAL EDUCATION AND TRAINING

University of Cincinnati/Cincinnati Children's Hospital Medical Center, Cincinnati, OH Allergy and Immunology Fellowship, June 2018

University Hospitals/Case Western Reserve University, Cleveland, OH Internal Medicine Residency, June 2015

University of Louisville School of Medicine, Louisville, KY Doctor of Medicine, May 2012

#### **EDUCATION**

University of Cincinnati, Cincinnati, OH M.Sc. in Clinical and Translational Research, May 2018

Duke University, Durham, NC B.A., in Women's Studies, May 2007

#### **PROFESSIONAL EXPERIENCE**

Health Sciences Assistant Clinical Professor, Start date August 1, 2021 University of California San Diego School of Medicine, San Diego, CA Will participate in clinical care, research, and educational opportunities specifically in the Division of Rheumatology, Allergy, & Immunology.

Physician, September 2018-July 2020 Institute for Asthma and Allergy, Wheaton and Chevy Chase, MD Treated adult and pediatric patients in a busy single specialty group. Served as a sub-investigator on multiple phase 2 and 3 clinical trials. Assisted in developing drug and food desensitization protocols.

Facilitator of Learning Community, August 2017-May 2018

University of Cincinnati College of Medicine, Cincinnati, OH

Taught and mentored first-year medical school students in a clinical education course that integrated all aspects of medical curriculum, including scientific concepts, medical diagnoses, and social aspects of healthcare.

#### CERTIFICATION

Yale School of Public Health Climate Change and Health Certificate – Spring 2021 Climate Reality Leadership Training – July 2020 American Board of Internal Medicine - Board certified, 2017 American Board of Allergy and Immunology - Board eligible, 2018 Advanced Cardiac Life Support - Expires October 2021 Lean Six Sigma - Yellow Belt Certification, 2013

#### LICENSURE

State of California Medical License – In process State of Maryland Medical License - D85241 NPI number: 1144589979

### HONORS AND AWARDS

Doctors for America Copello Health Advocacy Fellowship – November 2019 Finalist for the CDC-Epidemic Intelligence Service – Fall 2018 cohort Invitation to participate in the Respiratory Disease Young Investigators' Forum – October 2018 Invitation to participate in Physician Scientist Panel at the University of Cincinnati Medical Scientist (MD/PhD) Training Program Fall Retreat - October 2017 Invitation to join Golden Key Honor Society, University of Cincinnati - August 2017 University of Cincinnati Department of Internal Medicine Research Symposium - First place, June 2017

American Thoracic Society Assembly on Pediatrics - Pediatrics Abstract Scholarship, May 2017 American College of Allergy, Asthma, and Immunology Annual Meeting - Travel grant, November 2015 -Elected as Regional Fellow-in-Training representative in 2015

Center of Excellence/Transforming Outpatient Care Resident - 2012-2015 University of Louisville School of Medicine Systole Writing Contest - First place, 2011 One World Global Health Fellowship - Semifinalist, 2009

## **RESEARCH AND/OR SCHOLASTIC SUPPORT**

National Institute of Environmental Health Sciences 2T32ES010957-16 grant - July 2017-June 2018 National Institute of Allergy and Infectious Diseases T32 AI60515-01 grant - July 2016-June 2017 University of Cincinnati Center for Environmental Genetics New Investigator Scholar Award (NIEHS award P30 ES006096) - March 2017

### **RESEARCH AND WORK EXPERIENCE**

Research assistant to Dr. David Bernstein and Dr. Tolly Epstein, June 2017-June 2018 University of Cincinnati College of Medicine, Cincinnati, OH Administering survey to allergists nationwide regarding allergen immunotherapy practices and associated adverse reactions and analyzing results to offer insight regarding AIT safety.

Research assistant/sub-investigator to Dr. Amal Assa'ad, July 2016-June 2018 Cincinnati Children's Hospital Medical Center Division of Allergy and Immunology, Cincinnati, OH Conducting quality improvement research regarding management of food allergy by medical providers. Creating an online focus group for parents of children with food allergy in order to determine expectations from relevant providers. Sub-investigator for multiple industry-sponsored clinical trials in food allergy therapy.

Research assistant to Dr. Tiina Reponen, July 2016-June 2018

University of Cincinnati Department of Environmental Health, Cincinnati, OH Conducting field research that examines the efficiency of HEPA air filtration in reducing traffic-related air pollution and in improving asthma control in children. Specifically in charge of final analysis of relevant health outcomes data.

Clinical teaching of Nurse Practitioner students/Dyad Learning Model, 2014 Louis Stokes Cleveland VA Hospital/TOPC-COE Program, Cleveland, OH Workplace education emphasizing the role of residents as teachers within an interprofessional education context. Dyad pairs (Resident/NP student) worked together to learn and develop using the O-RIME (Observer-Reporter-Interpreter-Manager-Educator) model for professional development.

Research assistant to Dr. Buddhadeb Dawn, July 2007-June 2008 University of Louisville Institute of Molecular Cardiology, Louisville, KY Assisted in research which sought to determine how certain immunologic factors affected ventricular remodeling in aging and pressure overload states in animal models via Western Immunoblotting.

Research assistant to Dr. Brian Annex, August 2005-May 2007 Therapeutic Angiogenesis Research Laboratory, Duke University Medical Center Department of Cardi-

ology, Durham, NC

Performed an independent study which allowed me to assist in conducting experiments concerning therapeutic angiogenesis in mice models. Procedures included processing tissue onto slides and analyzing results via immunofluorescence staining.

Teaching assistant for General Chemistry, August 2005-May 2006 Duke University Department of Chemistry, Durham, NC Oversaw three-hour laboratory sessions pertaining to weekly lectures. Provided assistance to 16 students each semester on lab assignments, homework, and exam study skills.

#### PUBLICATIONS

**James C**, Chakraborty, S. (2021, April 22). Think healthcare and the climate are unrelated? Think again. *Medpage Today*. Retrieved from <u>https://www.medpagetoday.com/publichealthpolicy/environ-mentalhealth/92220?trw=no</u>

**James C**, Chakraborty S. (2021, Jan 17). COVID19 is a precursor for infectious disease outbreaks on a warming planet. *The Hill*. Retrieved from <u>https://thehill.com/opinion/healthcare/534562-covid-19-is-a-precursor-for-infectious-disease-outbreaks-on-a-warming</u>

**James C**, Maher K, Esparza R. (2020, Dec 21). The Bureau of Land Management public auction of California public lands to oil and gas drilling hurts our climate and our health. *The Bakersfield Californian*. Retrieved from https://www.bakersfield.com/opinion/other-voices-putting-health-at-the-fore-front/article\_3bfac746-43b8-11eb-af52-939e36b5b5a5.html

**James C**, McGimsey A. (2020, Dec 14). Mold and the insidious dangers of climate change. *Houston Chronicle*. Retrieved from <u>https://www.houstonchronicle.com/opinion/outlook/article/Opinion-Mold-and-the-insidious-dangers-of-15795672.php</u>

James C, McGimsey A. (2020, Dec 5). Climate change has increased mold danger in Pensacola. It's time to act. *Pensacola News Journal (USA Today* news publication). Retrieved from <a href="https://www.pnj.com/story/opinion/2020/12/06/climate-change-has-increased-mold-danger-pensacola-time-act/6472531002/">https://www.pnj.com/story/opinion/2020/12/06/climate-change-has-increased-mold-danger-pensacola-time-act/6472531002/</a>.

**James C**, McGimsey A. (2020, Sept 29). Wildfires, climate change, and the air we breathe. *The Hill*. Retrieved from <u>https://thehill.com/opinion/energy-environment/518746-wildfires-climate-change-and-the-air-we-breathe</u>.

**James C.** (2020, Sept 4). Physicians must 'get in the way' of inequality and fight for civic health. *The Courier-Journal*. Retrieved from <u>https://www.courier-journal.com/story/opinion/2020/09/04/physicians-must-join-fight-against-inequity-and-civic-health/3452733001/</u>.

**James C**. (2020, July 2). People with COVID-19 who live in highly polluted areas are more likely to die. *MedPage Today's KevinMD.com*. Retrieved from <u>https://www.kevinmd.com/blog/2020/07/people-with-covid-19-who-live-in-highly-polluted-areas-are-more-likely-to-die.html</u>

**James C**, Tummala N. (2020, Feb 11). Climate change affects the health of all Virginians. [Letter to the editor]. *Richmond Times-Dispatch*. Retrieved from https://www.richmond.com/opinion/letters-to-editor/correspondent-of-the-day-feb-12-2020-climate-change-affects-health-of-all-virginians/article 1921b36a-8500-56f6-b939-02ed45f8d2e8.html

**James C**, Bernstein DI, Cox J, Ryan P, Wolfe C, Jandarov R, Newman N, Indugula R, Reponen T. "HEPA filtration improves asthma control in children exposed to traffic-related airborne particles." Indoor Air. 2020 Mar;30(2):235-243.

Hassoun Y, **James C**, Bernstein DI. "The Effects of Air Pollution on the Development of Atopic Disease." Clin Rev Allergy Immunol. 2019 Dec;57(3):403-414.

**James C**, Assa'ad A. "Eosinophilic esophagitis: an emerging global disease." Clin Rev Allergy Immunol. 2018 Aug;55(1):99-105.

**James C**, Bernstein DI. "Allergen immunotherapy: an updated review of safety." Curr Opin Allergy Clin Immunol. 2017 Feb;17(1):55-59.

**James C**, Bernstein JA. "Current and future therapies for the treatment of allergy-induced angioedema." Expert Opin Pharmacother. 2017 Feb;18(3):253-262.

Mahdavinia M, Fox SR, Smith BM, **James C**, Palmisano EL, Mohamed A, Zahid Z, Assa'ad AH, Tobin MC, Gupta RS. "Racial differences in food allergy phenotype and health care utilization among US children." J Allergy Clin Immunol Pract. 2016 Nov 22. pii: S2213-2198(16)30504-9. doi: 10.1016/j.jaip.2016.10.006.

Feldman S, **James C**, Lee MJ. Pharmacology and therapeutics. In: Lee G, Stukus D, Yu J, editors. ACAAI Review for the allergy & immunology boards. Arlington Heights: American College of Allergy, Asthma, & Immunology; 2017. p.355-416.

**James C**, Horbal J, Tcheurekdjian H, Hostoffer R. "Code Red: A Case of Anaphylaxis to a Soda." Ann Allergy Asthma Immunol. 2014 May; 112 (5): 474-5.

#### **ABSTRACTS**

SanganalMath SK, **James CR**, Taher H, Hunt G, Vincent RJ, Wu R, Li Q, Flaherty MP, Bolli R, Dawn B. Genetic deletion of IL-6 attentuates pressure overload-induced left ventricular hypertrophy and dysfunction. JACC. 2009 Mar; 53(10): A149.

Taher H, **James CR**, Sanganalmath SK, Li Q, Sharma D, Vincent RJ, Hunt G, Flaherty MP, Bolli R, Dawn B. Age-related myocardial structural changes are associated with early alterations in HO-1 and COX-2 protein levels. Circulation. 2008 Oct; 118(18):S\_291-S\_292.

Taher H, Guo Y, SanganalMath SK, Ranjan S, Vincent RJ, Wu WJ, Tan W, Zhu X, Hunt G, **James CR**, Bolli R, Dawn B. Genetic deletion of IL-6 ameliorates left ventricular dysfunction and remodeling after a reperfused myocardial infarction. Circulation. 2008 Oct; 118(18):S\_290.

SanganalMath SK, Taher H, **James C**, Ranjan S, Vincent RJ, Hunt G, Bolli R, Dawn B.: Cardiac specific transgenic inhibition of NF-κ B protects against pressure overload-induced left ventricular hypertrophy and systolic dysfunction. JMCC. 2008 Jun; 44(6):S28.

Taher H, SanganalMath SK, Stoddard MF, **James C**, Ranjan S, Flaherty MP, Abdel-Latif A, Bolli R, Dawn B. Regional myocardial performance index by tissue Doppler imaging reveals worsening myocardial function at considerably younger age despite preserved LV ejection fraction. JMCC. 2008 Jun; 44(6):S15.

#### POSTER PRESENTATIONS

Assa'ad A, Logsdon S, **James C**, Titus K, Abonia P, Cassin A, Sprengard C, Giegle G, Hamilton R, Johnson S. "Food Allergy Quality of Life Care Algorithm". (June 2017). Poster presented at the Cincinnati Children's Hospital Medical Center Care Algorithm Poster Session. Cincinnati, OH.

**James C**, Cox J, Isiugo K, Indugula R, Wolfe C, Jandarov R, Bernstein D, Ryan P, Reponen T. "The effect of HEPA air purification on asthmatic children exposed to traffic-related airborne particles." Poster accepted for presentation at the May 2017 American Thoracic Society International Conference in Washington D.C. and the June 2017 University of Cincinnati Department of Internal Medicine Research Symposium. Cincinnati, OH.

Reponen T, Cox J, **James C**, Isiugo K, Wolfe C, Indugula R, Grinshpun S, Yermakov M, Vesper S, Chillrud S, Ross J, Ryan P. "Effect of a free-standing air cleanser on children's aerosol exposure and respiratory health". Extended abstract accepted to the Healthy Buildings 2017 Conference. Lublin, Poland.

**James C**, Kannan J, Bernstein DI. "Hemi-orolingual angioedema after tPA adminsitration: an undervalued but significant reaction". (November 2015). Poster accepted for presentation at the Annual Scientific Meeting of the American College of Allergy, Asthma, and Immunology. San Antonio, TX.

**James C**, Ndum O, Toller-Artis E, Ruda Wessell K, Hostoffer R, Tcheurekdjian H. "A Rare Presentation of CVID with an Orbital Inflammatory Mass." (October 2014). Poster accepted for presentation at the European Society of Immunodeficiencies Biennial Meeting. Prague, Czech Republic.

Lantz C, Shenk R, Waggoner S, Culler D, McCandless S, Goutham N, Stefanek G, Dimachkie P, **James C**, Tripathi P, Harris L. (May 2014). "Decisional Considerations Surrounding Risk-Reduction Strategies in BRCA 1/2 Mutation Carriers and Quality of Follow-up." Poster presented at the University Hospitals Case Medical Center Department of Medicine Annual Research Day. Cleveland, OH.

Freeman B, **James C**, Mick P, Mokshagundam D, Zimmer A. (May 2010). "Flexner Revisited: The Students' Perspective". Poster presented at the Flexner Symposium. Louisville, KY.

#### **ORAL PRESENTATIONS**

**James C**, McGimsey A, Pinzler P, Dullien S. (April 2021). How to successfully bolster green policies at home: bipartisan support holds the key. Webinar presentation through 1014 Inc. Climate Talks. San Diego, CA.

**James C**, Seals B, Cullum L, Arguello MD. (December 2020). Electrification for health: A briefing for health professionals on the benefits of building electrification and the harms of indoor fossil-fuel powered appliances. Webinar presentation through Climate Health Now, Rocky Mountain Institute, and Sierra Club. San Diego, CA.

Hoffman J, **James C**, Bichell L. (October 2020). John F. Anderson Memorial Lecture: Climate change in the commonwealth: Health implications and challenges. Webinar given through the Medical Center Hour Medicine & Society in Conversation Series from the University of Virginia School of Medicine.

**James C.** (April 2020). How Climate Change is Affecting Virginia's Allergy Season. Webinar presentation through the Virginia Clinicians for Climate Action; Washington D.C.

**James C.** (October 2018). HEPA Filtration Improves Asthma Control in Children Exposed to Trafficrelated Airborne Pollutants. Respiratory Disease Young Investigators' Forum; Washington D.C.

**James C.** (October 2017). Anaphylaxis. Oral presentation at the University of Cincinnati School of Medicine for entire third-year medical school class; Cincinnati, OH.

**James C**. (Februrary 2017). The effect of HEPA air purification on asthmatic children exposed to traffic-related airborne particles. Oral Presentation at the Cincinnati Allergy and Asthma Society Meeting; Cincinnati, OH.

**James C**. (November 2016). The inconvenient truth of climate change and allergic disease. Oral presentation at the University of Cincinnati Division of Allergy and Immunology Grand Rounds. Cincinnati, OH.

**James C**. (April 2016). Platin hypersensitivity. Oral presentation at the University of Cincinnati Division of Allergy and Immunology Grand Rounds. Cincinnati, OH.

**James C**. (November 2015). Hemi-orolingual angioedema after tPA adminsitration: an undervalued but significant reaction. Oral Presentation at the Cincinnati Allergy and Asthma Society Meeting; Cincinnati, OH.

## **VOLUNTEER EXPERIENCE**

November 2020-Present Climate Action Campaign, San Diego, CA **Member of the Public Health Advisory Council**: Engaged in advocacy work related to climate change initiatives within San Diego via public comments to local government entities and opinion piece writing.

September 2020-Present Climate Health Now, California Member, **Co-lead of the Electrification Action Team and the Orange County/Riverside/Imperial County/San Diego Hub**:Engaged in advocacy work related to climate change efforts within California through participation in public comments for state organizations and government bodies, opinion piece writing, webinar participation, and organization of public policy efforts.

January 2020-Present Virginia Clinicians for Climate Action, Washington D.C. Member, **Invited to be on Steering Committee** in 2020: Engaged in advocacy and education efforts regarding the intersection between climate change and health through participation in webinars and opinion-piece writing. Also helping to organize quarterly journal club and medical school curriculum that incorporates climate change education.

September 2013-March 2015 Proactive Community Outreach Project/TOPC-COE, Cleveland, OH **Committee Co-chair** (January 2014-March 2015): Assisted veterans at homeless shelter with obtaining flu shots, completing health surveys, learning about diabetic foot care, and providing social support during mealtimes. Also distributed educational packets on common health problems and local healthcare resources.

2008-2012 American Medical Women's Association, UofL chapter, Louisville, KY **President** (August 2009-May 2010): Organized various events dedicated to raising awareness about women's health issues present in the US and abroad, including the first Women's Health Week at UofL—events included a talk w/the cervical cancer vaccine founders, a panel with local female physicians from multiple specialties, and a group discussion with the top female Surgery residents at UofL.

August 2009-May 2010 Louisville Inner-city Family Care Education (LIFE) Clinic, Louisville, KY **Clinic Co-director**: Served as a coordinator and liaison in the student-run community-based clinic that provided primary care services to women residents of the Healing Place, a Louisville organization dedicated to substance abuse treatment.

Summer 2009 Native Health Initiative, Albuquerque, NM

**Fellow**: Responsibilities on the Santo Domingo Pueblo reservation included starting a mentorship program between adolescents and teenagers, organizing a women-centered exercise and health education group, and working on program development for the Emergency Youth Shelter.

August 2004-May 2007, Operation Smile, Duke University Chapter, Durham, NC **Vice President**: Organized events to raise money and awareness for Operation Smile, an international organization focused on providing reconstructive surgery and general health care for indigent children and young adults in developing countries.

August 2004-May 2007 Duke Healthy Devil Peer Education Program, Durham, NC Treasurer (August 2004-May 2005), **President** (August 2006-May 2007): Presented interactive educational programming to student groups covering the following areas—mental health, nutrition and body image awareness, sexual health, sexual harassment and rape prevention, and drug and alcohol awareness. Also provided one-on-one counseling and organized multiple health promotion activities and events on-campus.

August 2005-May 2007, The Duke Women's Handbook, Durham, NC Associate Editor (2005-2006), Executive Editor (2006-2007): Compiled and edited information concerning academic, health, and social aspects of Duke University life. Ensured distribution to all firstvear female college students.

### COMMITTEES

University of Cincinnati Resident Advisory Council, July 2016-June 2017 Food Allergy Leadership Team at CCHMC, October 2015-June 2018 Student Quality Improvement Program at UofL School of Medicine, January 2011-May 2012 Humanistic, Empathetic, Altruistic, Relationship-Centered Team, August 2009-May 2012

#### **PROFESSIONAL MEMBERSHIPS**

American College of Allergy, Asthma, and Immunology, Member American Academy of Allergy, Asthma, and Immunology, Member American Thoracic Society, Member Virginia Clinicians for Climate Action, Member Climate Health Now, Member, **Co-lead of the Electrification Action Team** Public Health Advisory Committee of Climate Action Campaign

#### **HOBBIES/INTERESTS**

Climate change and health Cooking Indian Classical Dance Reading (Literary fiction, Nonfiction science and history) Writing (Poetry, Nonfiction essays)

Last Name	First Name
Name of Board, Committee, or Commission	
E-mail Address	Phone Number
	itside employment or activity for compensation. g outside employment or activity for compensation:
Name of Business or Activity	Employer (if applicable)
List duties performed:	
	For additional information, please include on a separate page.
<b>2</b> funded by the County.	er or member of a policy-making board of a nonprofit organization r member of the policy-making board of the following nonprofit e County:

COUNTY OF SAN DIEGO

# STATEMENT OF INCOMPATIBLE ACTIVITIES RELATED TO COUNTY DUTIES (Form 519)

**INSTRUCTIONS**: Please complete both sections of this form, checking the appropriate boxes, sign the form, and return it to the Clerk of the Board of Supervisors, 1600 Pacific Highway, Room 402, San Diego, CA 92101-2471.

(For Official Use Only)

Specific Funding Request (if applicable)	
Organization or County Department	Department Head Initials
	For additional organizations please include on a separate p



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Hurst, PhD	Samantha ("Samm")	
Last Name	First Name	

The APCD Hearing Board meets at times mutually satisfactory to the members. Day meetings are more common than evening meetings. Currently the Hearing Board meets on Thursdays at 9:00 a.m. (this is subject to change). Will you be able to schedule your time accordingly?

🖪 Yes 🛛 No

Have you ever	been affiliated with an	n entity that is regulate	d by the Air Poll	ution Control Dis	strict?
□ Yes	🔳 No				
lf yes, please li	st them here:				
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What area of expertise are you seeking to represent on the APCD Hearing Board? At this time, the APCD is accepting applications for the Medical Professional position, and alternate; one Public Member, and an alternate; and one Attorney and alternate. The Medical Professional and alternate must have specialized skills, training or interests in the fields of environmental medicine, community medicine, or occupational/toxicologic medicine. The Attorney member and alternate must be admitted to the practice of law in California.

My application is being submitted for the "Public Health Professional" position. I am an academic

researcher and faculty member in the new UCSD Herbert Wertheim School of Public Health. I have

been an academic research at the University of California, San Diego since 2001.

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of the County of San Diego.

My professional academic research is focused in community health disparities, particularly in vulnerable and underrepresented communities who often face higher exposure to environmental pollutants (including air and water) and thus experience greater health deficits because these residential areas are more likely to be positioned near industrial areas and major roadways. Adverse health outcomes result from societal racism to class bias to housing market costs and, as mentioned, residential proximity to environmental hazards. Low-income communities are disproportionately exposed and widely undefended because of family and community economic hardship. Increasing evidence links prenatal exposure from traffic-related air pollutants to autism spectrum disorder and a myriad of other developmental disabilities and delays in learning. The effects on developing brains can involve large lifelong costs to individual, families, and society at large invovling medical care lost economic productivity. I believe my educational and working knowledge in public health and with health disparity research demonstrates my ability to be a responsible candidate and contributor to the APCD hearing board.

# STATEMENT OF OCCUPATIONAL EXPERIENCE

Current Employer		
Project Scientist	Started 5/1/2001 Dates of Employment	
Job Title		
Previous Employers	Position Title	Dates of Employment

Committee/Organization Name	Dates Served
Commissioner, City of San Diego Human Relations Committee	2017-2019
Board of Directors, FBI San Diego Citizens Academy Alumni Association	2021 - current

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By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

Samantha Hurst, PhD Applicant's Name July 3, 2021 Date Applicant's Signature

# **CONTACT INFORMATION**

Hurst, PhD	Samantha	
Last Name	First Name	

Note: Personal information may be withheld from public view as allowed by law.

Home Street Address	City	State	Zip
Mailing Address (if different than home address)	City	State	Zip
Business Street Address	City	State	Zip
Home Phone #	Business Phone #		
Mobile Phone #	-		
E Mail Addrass (amail will be the main form of our	atact regarding your application	8 the interview pro	0000
E-Mail Address (ernail will be the main form of con	ntact regarding your application	& the interview pro	Cess.



# COUNTY OF SAN DIEGO

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(For Official Use Only)

Hurst, PhD

Samantha

First Name

Last Name

# **APBC Hearing Board**

Name of Board, Committee, or Commission

E-mail Address

Phone Number

Please check one:

□ I am NOT engaged in any outside employment or activity for compensation.

■ I am engaged in the following outside employment or activity for compensation:

Research/teaching	CSD Herbert Wertheim School of Public Health
-------------------	--

Name of Business or Activity

Employer (if applicable)

List duties performed: \_ I am an academic researcher and faculty member at a local university.

For additional information, please include on a separate page.

Please check one:

2

**I** am NOT currently an officer or member of a policy-making board of a nonprofit organization funded by the County.

□ I am currently an officer or member of the policy-making board of the following nonprofit organization(s) funded by the County:

Name of Organization

Status in organization

Specific Funding Request (if applicable)

Organization or County Department

Department Head Initials

For additional organizations please include on a separate page.

Dr. Samm Hurst Dig 21.07.03 12:42:13 -07'00'	
Date: 2	Date
Signature	



# APPLICATION FOR SERVING AS A MEMBER ON THE SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT HEARING BOARD

**INSTRUCTIONS**: Please complete this form in its entirety. Note the additional requirements listed on the third page.

**Please note that this application is a public record subject to disclosure.** This application will be maintained for a period of one year. After one year, it is necessary to file a new application for another year of eligibility.

Submit the completed application to the Clerk of the Air Pollution Control District Hearing Board at <u>APCDPublicComment@sdcounty.ca.gov</u> or, you may send your application to 10124 Old Grove Road, San Diego, CA 92131

Spencer		Daniel
Last Name		First Name
more common th	an evening meetings	mes mutually satisfactory to the members. Day meetings are s. Currently the Hearing Board meets on Thursdays at 9:00 a.m. e able to schedule your time accordingly?
Yes	□ No	y an anno diocordingly .
Have you ever be	en affiliated with an	entity that is regulated by the Air Pollution Control District?
□ Yes	🔳 No	
lf yes, please list	them here:	

What area of expertise are you seeking to represent on the APCD Hearing Board? At this time, the APCD is accepting applications for the Medical Professional position, and alternate, and one Public Member, and an alternate. The Medical Professional must have specialized skills, training or interests in the fields of environmental medicine, community medicine, or occupational/toxicologic medicine.

I am seeking the Medical Professional position.

Please summarize your experience that demonstrates your interest and proven ability in the field of air pollution control and your understanding of the needs of the general public in connection with the air pollution problems of the County of San Diego.

I have been a Board Certified pediatrician for over 20 years, both in private practice and with Kaiser Permanente. I have taken care of a diverse panel of patients, including those from underserved areas of east Los Angeles County and east, central, and south San Diego County. I have been a life-long advocate for children and a life-long advocate for clean air. I have always had a passion for keeping children with asthma and other respiratory problems well. I have seen first-hand how children are uniquely vulnerable to the health risks imposed by the changing climate. It has been estimated that 88% finked to increased by climate change affect children under five years of age. Air pollution causes oxidative stress and inflammation that decrease lung function, even in those without asthma. It is lung disase, burns, and seizures. Fine particulate matter in wildfire smoke has been shown to negatively affect lung function and in pediatric patients and has been associated with poorer asthma control. Now that I am at a mid-career time in life and have become a leader within Kaiser Permanene, I would like to use my leadership, my skills, and my network of colleagues to give back to the community. I am proud to work with San Diego Pediatricians for Clean Air and the American Academy of Pediatrics local and national sections on Environmental Health. We have formed working connections with already established and respected organizations, like the Environmental Health Coalition, Climate Action Campaign, and Mothers Out Front. We have supported a pelition to hire Envorinmental Justice a community hospital, managing partner of a private practice, and coordinator for after-hours care for our group's San Diego pediatric at and providing education for physicians and families. It is volves analzyping quality metrics, specifically regarding asthme population data and providing individual, trageted, and cordinating education for physicians and families in that data has shown the impact that clinate has on the health of California'

# STATEMENT OF OCCUPATIONAL EXPERIENCE

Current Employer			
Partner Physician		April, 2005-present	
Job Title		Dates of Employment	

List past County appointments with dates served, and other past or present community or public service appointments.

Physician

Committee/Organization Name No prior County appointments

Arrowhead Pediatrics

Dates Served

July, 1999-March, 2005

Page 2 of 4

# Membership qualifications for the APCD Hearing Board are as follows:

Candidates for the Air Pollution Control District Hearing Board, are required to submit evidence of their qualifications and a *Statement of Incompatible Activities* Related to *County Duties (Form 519),* that can be found on the San Diego County Air Pollution Control District's website at: www.sdapcd.org. This Application will be considered complete when such requirements are provided by the applicant. Candidates may also be asked to provide additional information.

Membership qualifications for Hearing Board Members may be accessed through the San Diego County Air Pollution Control District's website at: www.sdapcd.org or by calling (858) 586 -2739.

**Note:** Hearing Board Members will be appointed by the San Diego County Air Pollution Control Hearing Board. Each Member will serve a three-year term and are entitled to receive compensation for participation on the Hearing Board.

By signing below, I declare that the information provided above is accurate and complete to the best of my knowledge.

**Daniel Spencer** Applicant's Name May 10, 2021 Inener Applicant's Signature Date

# **CONTACT INFORMATION**

Daniel	Spencer
Last Name	First Name

Note: Personal information may be withheld from public view as allowed by law.

		CA
Home Street Address	City	State Zip
Mailing Address (if different than home address)	City	State Zip
Business Street Address	City	State Zip
Home Phone #	Business Phone #	
Mobile Phone #		
E-Mail Address (email will be the main form of con	fact regarding your application &	the interview process

To Members of the Air Pollution Control District Board and Selection Committee,

San Diego Pediatricians for Clean Air (SDPCA) is a loose coalition of pediatricians who collectively advocate together on issues that affect children's respiratory health. We are dedicated to safeguarding the respiratory health of our pediatric patients through advocating for clean air. SDPCA and our over 30 members unanimously endorse the application of our colleague and respected pediatrician Dr. Daniel Spencer for the position of Physician Member of the Hearing Committee, San Diego Air Pollution Control District.

Dr. Dan Spencer is a well-known and well-respected member of San Diego's pediatric community. He has been a partner physician within the Southern California Permanente Medical Group, which is Kaiser's physician group, for over 15 years. He takes care of children both as a primary care provider in the East County, as well as the lead physician of Kaiser San Diego's Pediatric Urgent Care Group that encompasses the entire county. In addition to being a front-line pediatrician who takes care of urgent pediatric respiratory issues, he is also a long-time leader in pediatric quality metrics and leads our pediatric asthma team. He is an experienced clinician and departmental leader, and we are lucky to have him as part of SDPCA.

But most importantly regarding Dan Spencer, he represents us. He carries the collective voice of all the pediatricians he mentors and works with. His entire Pediatric Urgent Care team also volunteered to endorse his candidacy which demonstrates the respect he carries among his colleagues. Some of their signatures are below (we could not include everyone). He is a practical person who understands communities, people and he certainly understands pediatric asthma and air pollution. His extended family operates small businesses (not related to any air issues) so he understands the balance and practicality one must bring to decisions. He was one of our original members of SDPCA and worked tirelessly to help get our organization started and going. We think he will be a more than capable physician member of the hearing committee helping to build a better San Diego for everyone, including our collective children.

Please do not hesitate to contact us if you should have any questions. We intend to have a presence at the virtual meeting as well to endorse his application.

Sincerely

# San Diego Pediatricians for Clean Air

Vi Thuy Nguyen MD

Sabrina Perrino MD Vivian Nguyen (student Co-Founder) Victoria Pham MD James Moseman MD Heidi Deyro MD Joanne Wong MD

# **Other Physicians**

- Sarah Judd MD
- Damian Ng MD
- Michaele Vigilante MD
- Pragnesh Mistry MD
- Aimee Anselm MD
- Laurie Tyrell MD
- Jill Gustafson MD
- Aaron Harper MD
- Rachel Guest MD
- Jordan Fisher MD

# **Pediatric Nursing Staff**

- Denise Nunez RN Meghan Lerner RN Odalys LVN
- Marianne Verdeflor LVN
- Katya Franco BSN, RN
- Patrick Placeb RN
- Silvia Solorio RN
- Robert Lemos RN (Urgent Care)

## May 2, 2021

To the members of the San Diego County Air Pollution Control District Board,

The San Diego Chapter of the American Academy of Pediatrics (AAP-CA3) would like to formally endorse the application of **Dr. Daniel Spencer** to the **APCD Hearing Board**.

Dr. Spencer is extremely qualified for this position because of his experience as a pediatrician and as a champion of childhood asthma, which is exacerbated by air pollution and other environmental factors.

He received his undergraduate degree at UC Berkeley, and obtained his medical degree and pediatric residency training at Emory University in Georgia.

He has worked at Kaiser Permanente in Southern California since 2005, and is currently the Module Coordinator and Lead Physician at the Pediatric After Hours Clinic at Kaiser Permanente, San Diego. Previously he served our medical group as Asthma Committee Representative, and currently he is the Pediatric Asthma Champion for our department.

In addition to his work on behalf of asthmatic children at Kaiser, Dr. Spencer is also the Public Policy Lead for the San Diego Pediatricians for Clean Air, and is a member of the American Academy of Pediatrics Environmental Health and Climate Change Committee.

Dr. Spencer's medical expertise and passion for environmental health make him uniquely qualified to serve on the APCD Hearing Board.

Please do not hesitate to contact us with any questions regarding Dr. Spencer's application.

Sincerely,

**Patricia Pascual MD, FAAP (**Fellow of the American Academy of Pediatrics, Fellow of the Committee of Environmental Health, member of the AAP Environmental Health and Climate Change Committee)

Michael Nelson MD Marsha Spitzer MD Sally Kaufman MD Melissa Morelos MD Sara Valladolid MD Andrei Fodoreaneu MD Dana Patton-Ku MD Naomi Lawrence-Reid MD

	COUNTY OF SAN DIEGO STATEMENT OF INCOMPATIBLE AG RELATED TO COUNTY DUTIES (For	CTIVITIES rm 519)	
appropriate I	DNS: Please complete both sections of the boxes, sign the form, and return it to the 1600 Pacific Highway, Room 402, San Diego,	is form, checking the Clerk of the Board of	(For Official Use Only)
Snowce	y.	Daniel	
Spence Last Name		First Name	
APCD	Hearing Board		
Name of Board,	Committee, or Commission		
E-mail Address		Phone	Number
	am NOT engaged in any outside employ		
	am engaged in the following outside em		compensation:
Sou	them California Permanente	Medical Group Employer (if applic	able)
Mana	a of Business or Activity	Employer (1) upplic	ave, dipate
List o	tuties performed: <u>Diagnosing</u> , examination <u>Quality</u> <u>ysician education</u> <u>Quality</u> ordination of after-hou	ning and treating	ng parients.
Ph	ysician education Quality	1 management o	and pavent our each
(00	idination of atter-hou	is care	tion, please include on a separate page.
		For additional informat	ion, pieuse include on a separate page.
2	I am NOT currently an officer or member funded by the County. I am currently an officer or member o organization(s) funded by the County:		
Nam	ne of Organization	Status in organizat	lion
Spec	cific Funding Request (if applicable)		
Org	anization or County Department		Department Head Initials
0	7 22	For additional organiza	tions please include on a separate page.
Signature	il E. Spenn	<u>7-15</u> - Date	202/
(For Official U	se Only) Determination:  Not incompatible with duties	□ May be incompatible with dut	ies Reviewer:

# Daniel E. Spencer, M.D.

WORK EXPERIENCE:

Kaiser Permanente	2005-present
La Mesa Medical Offices 8080 Parkway Dr. La Mesa, CA 91942	2016-present
Partner Physician, pediatrics (2016-present)	
Pediatric Asthma Champion (2016-present)	
Module Coordinator, Pediatric After-hours Care for Kaiser	
Permanente San Diego area (2017-present)	
East Los Angeles Medical Offices	2014-2016
5119 E. Pomona Blvd.	
Los Angeles, CA 90022	
Partner Physician, pediatrics (2014-2016)	
Asthma Committee Representative (2014-2016)	
Pediatrics Schedule Coordinator (2014-2016)	
Pediatric Resident Preceptor (2014-2016)	
Baldwin Park Medical Center	2005-2013
1011 Baldwin Park Blvd.	
Baldwin Park, CA 91706	
Partner Physician, pediatrics (2008-2013)	
Associate Physician, pediatrics (2005-2008)	
Pediatric Asthma Champion (2008-2013)	
DUAT Committee Representative (2007-2013)	
South Bay Medical Center and	2005
West Los Angeles Medical Center	2003
Per Diem Physician, pediatrics	
r er Diem i hysienni, pechatries	
Arrowhead Pediatrics	1999-2005
18700 N. 64 <sup>th</sup> Dr. Suite 301	
Glendale, AZ 85308	
Partner Physician (2002-2005)	
Associate Physician (1999-2001)	
Acting Medical Director (2004-2005)	
Acting Managing Partner (2004-2005)	

Chair, Department of Pediatrics

# EDUCATION AND TRAINING:

# Postgraduate:

Emory University School of Medicine	1996-1999
Pediatric Residency Program	
69 Butler St., SE	
Atlanta, GA 30303	

# Graduate:

<b>Emory University School of Medicine</b> Doctor of Medicine 1440 Clifton Rd., NE Atlanta, GA 30322	1992-1996
Undergraduate:	
<b>University of California, Berkeley</b> B.A., Molecular and Cell Biology, Genetics Berkeley, CA	1988-1992
CERTIFICATION AND LICENSURE:	
Fellow, American Academy of Pediatrics American Board of Pediatrics Medical License: California # C51747	2000-present 1999-present 2004-present
HONORS:	
Member, Phi Beta Kappa Emory Medical Student Research Fellowship Emory International Health Fellowship	
PROFESSIONAL ORGANIZATIONS:	
American Academy of Pediatrics Section Memberships: Environmental Health and Climate Change Urgent Care LGBT Health and Wellness	1996-present
San Diego Pediatricians for Clean Air Co-founding member	2020-present

### **PUBLICATIONS:**

Gloss LM, Spencer DE & Kirsch JF. "Cysteine 191 in Aspartate Aminotransferases Appears to be Conserved Due to the lack of a Neutral Mutation Pathway to the Functional Equivalent, Alanine 191." *Proteins: Structure, Functions, and Genetics* 24:195-208, 1996.

### RESEARCH:

"Development and Testing of a Geographic Information Systems Model of Intestinal Helminthic Disease in Guatemala." Conducted at the Medical Entomology Research and Training Unit of the Centers for Disease Control and Prevention, Guatemala City. (1995)

"Development of a Solution Hybridization Expression Assay for Rat Cytochrome P-450 Isotypes 2C11 and 2C12." Conducted with Dr. E.T. Morgan of the Emory University Department of Pharmacology. (1993)

See also publication. One- and one-half year project involving creation and characterization of nine mutant aspartate aminotransferases by site-directed mutagenesis. (1991-1992)

### LANGUAGES:

Spanish (fluent—Qualified Bilingual Staff, Kaiser Permanente)
Portuguese (fluent)
German (conversational)

REFERENCES: Available upon request