

# Faculty Evaluation Packet

Jenny Huang  
Assistant Professor - Pediatrics - Allergy/Immunology

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## CARE Effort and Past Year Goals

Jenny Huang

Academic Year:	07/01/2021 - 06/30/2022
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Clinical % of Effort:	0
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Administrative % of Effort:	0
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Research % of Effort:	0
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Education % of Effort:	0
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### Prior Academic Year Goals

Year 1:	Will promote involvement with the division research projects as co-PI, support current research projects a
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Year 5:	1. Complete research project and publish original paper 2. Continue to develop clinical skills using evidence based practice
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**JENNY Y. HUANG, M.S., M.D.**  
 Children's Hospital of Michigan  
 Division of Allergy and Immunology  
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<b>EDUCATION</b>	<b>DATES</b>
<b>Wayne State University, School of Medicine, M.D.</b> Detroit, Michigan	2010 – 2015
<b>Wayne State University, School of Medicine, M.S.</b> Detroit, Michigan Major: Basic Medical Sciences	2007 – 2009
<b>University of Michigan, B.S.</b> Ann Arbor, Michigan Major: Molecular Cellular Biology Major: Biological Anthropology	2003 – 2007
<b>POSTGRADUATE TRAINING</b>	
<b>Children's Hospital of Michigan</b> Detroit, MI, Division of Allergy and Immunology Fellowship, Allergy and Immunology	2018 – 2020
<b>Children's Hospital of Michigan</b> Detroit, MI, Department of Pediatrics Residency, Pediatrics	2015 – 2018
<b>FACULTY APPOINTMENTS</b>	
<b>Assistant Professor of Pediatrics</b> Division of Allergy and Immunology Central Michigan University College of Medicine Mount Pleasant, MI	2020 - present
<b>HOSPITAL OR OTHER PROFESSIONAL APPOINTMENTS</b>	
<b>Associate in Allergy and Immunology</b> Attending Physician Children's Hospital of Michigan, Detroit, MI	2020 – present
<b>Associate Program Director</b> Allergy and Immunology Fellowship Training Program Children's Hospital of Michigan, Detroit, MI	2020 – present

<b>MAJOR PROFESSIONAL SOCIETIES</b>  American Academy of Allergy, Asthma & Immunology American College of Allergy, Asthma, and Immunology American Academy of Pediatrics	2018 – present 2018 – present 2015 – present
<b>MEDICAL LICENSURE</b>  <b>Medical Doctor</b> State of Michigan	Expiration: 5/2025
<b>BOARD CERTIFICATION</b>  <b>American Board of Allergy and Immunology</b>  <b>American Board of Pediatrics</b>	Issued: 2020 Expiration: 2030  Issued: 2018 Expiration: 2028
<b>HONORS/AWARDS</b>  <b>AAAAI Fellow-In-Training Travel Scholarship</b>  <b>ACAAI Fellow-In-Training Travel Scholarship</b>  <b>Wolf W. Zuelzer Fellow Research Award Finalist</b> <b>Third place</b> Children's Hospital of Michigan <i>This competition and award recognizes fellow research excellence.</i>  <b>Resident Teaching Award</b> Children's Hospital of Michigan <i>This award recognizes excellence in resident teaching. Awardees are nominated by medication students.</i>  <b>Resident of the Month</b> Children's Hospital of Michigan <i>This award is nominated by co-residents, senior residents and chief residents to recognize their peers.</i>  <b>Medical Student Summer Research Fellowship</b> Wayne State University School of Medicine  <b>Undergraduate Research Scholar</b> University of Michigan	2020, 2019  2019  2019  2018  2017  2012  2004 – 2005

<p><b>SERVICE</b></p> <p><b><u>Professional</u></b></p> <p><b>American Academy of Allergy, Asthma &amp; Immunology Subcommittee – Committee on the Underserved Member</b>  <i>Developing local food allergy and food insecurity initiative to address access to safe foods for underserved patients</i></p> <p><b>American Academy of Allergy, Asthma &amp; Immunology Subcommittee – New Allergy/Immunology Assembly Member</b>  <i>Mentoring fellows-in-training</i></p> <p><b>American Academy of Allergy, Asthma &amp; Immunology Program Directors Assembly Member</b>  <i>Community of over 150 physicians leading U.S. and Canadian Allergy and Immunology fellowship programs. The assembly provides a home for academic professionals to network and exchange ideas for improving and growing their fellowship programs</i></p> <p><b><u>Departmental/Divisional – Children’s Hospital of Michigan</u></b></p> <p><b>Children’s Immune Dysregulation Committee Department of Pediatrics Founding Member</b>  <i>Multidisciplinary workgroup to discuss and improve co-management of patients with complex medical diagnoses that span the disciplines of rheumatology, hematology/oncology and immunology. Responsible for updating case list, case presentation/discussions</i></p> <p><b>Asthma Ambulatory and Education Committee Department of Pediatrics Member</b>  <i>Multidisciplinary workgroup to improve asthma care at the Children’s Hospital of Michigan. Responsible for outpatient asthma care improvement including asthma education, clinic scheduling, updating work-flow plans</i></p> <p><b>Continuing Medical Education Committee Division of Allergy/Immunology Co-Chair</b>  <i>Responsible for coordinating the education schedule for Allergy/Immunology Grand Rounds, inviting guest speakers and updating requirements necessary to maintain CME status for lectures</i></p>	<p>2021 – present</p> <p>2021 – present</p> <p>2021 – present</p> <p>2022 - present</p> <p>2021 - present</p> <p>2020 - present</p>
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<b>Clinical Competency Committee/Annual Program Evaluation Committee</b> <b>Division of Allergy/Immunology</b> <b>Member</b> <i>Core faculty member for the Allergy/Immunology fellowship program. Responsible for ensuring clinical competency and milestone achieving and promotion of A/I fellows in training</i>	2020 – present
<b>Graduate Medical Education Committee (GMEC)</b> <b>Department of Pediatrics</b> <b>Member</b> <i>Representation from the Allergy/Immunology Fellowship Program, responsible for ensuring compliance with the Accreditation Council for Graduate Medical Education (ACGME) regulations for fellowship training program</i>	2020 – present
<b>Pediatric Residency Interview Committee</b> <b>Department of Pediatrics</b> <b>Member</b> <i>Interview and feedback provided for Pediatric residency candidates</i>	2020 – present
<b><u>Community</u></b>	
<b>State of Michigan, Michigan Primary Immunodeficiency Disorders Quality Improvement Committee (PIDQIC) - Member</b>	2020 - present
<b>Future Docs, Wayne State University School of Medicine</b> <i>Assisted in a station to teach children 6-12 year old about seasonal allergies, food allergies and asthma</i>	2020
<b>Charity Walk, Immune Deficiency Foundation</b> <i>Assisted in annual walk for primary immunodeficiency</i>	2018, 2019
<b>TEACHING</b>	
<b><u>Bedside teaching and didactics</u></b>	
<b>Medical Students</b> Third and fourth-year medical students subspecialty teaching during their elective Allergy/Immunology clerkship. <i>Bedside clinical teaching and lecture style teaching</i>	2018 – present
<b>Residents and Fellows (Children's Hospital of Michigan)</b> <i>Bedside clinical teaching to residents and Allergy/Immunology Fellows during their clerkship</i>	2020 – present
Allergy conference Ground Rounds <ul style="list-style-type: none"> <li>- Eosinophils and Basophil Biology</li> <li>- Immune Complex Mediated Disease</li> <li>- Contact Dermatitis</li> <li>- Hereditary Angioedema</li> <li>- Asthma and Allergic Disease during pregnancy</li> </ul>	2022 2021 2020 2019 2019

- Basophil Biology	2018
Immunology Conference Ground Rounds	
- Hyper-IgM	2022
- DiGeorge Syndrome	2022
- Wiskott-Aldrich Syndrome	2022
- Regional Immunity	2020
- Effector Mechanisms of Cell mediated immunity	2020
- Immune receptors and Signal transduction	2019
- Lymphocyte Development and Ag Receptor Gene Rearrangement	2019
- Specialized Immunity at Epithelial Barriers and in Immune Privileged Tissues	2018
Monthly Problem-based Small Group Fellows Sessions	2021 – present
Pediatric Residency Didactics	
- Updates on Food Allergy	8/2021
- Food allergy	1/2021
- Asthma 101	8/2020
Resident Rotation Lectures	
- Food allergy and LEAP trials	2020
- Chronic and allergic rhinitis	2020
- Chronic urticaria and Angioedema	2020
- Biologics for Severe Asthma	2019
- Effects of Early Nutritional Interventions on development of atopic diseases	2018
- Allergic reactions to metal implants	2018
- COPD	2018
- Medical Effects of Mold Exposure	2018
- Contact Dermatitis	2018
Resident Procedure Fair Educator <i>Inhaler and epinephrine autoinjector station at the intern orientation procedure fair.</i>	2019
<b><u>Mentorship</u></b>	
<b>Abigail Troy, MD</b> / Medicine/Pediatrics resident Children's Hospital of Michigan, Detroit, MI <i>Research mentor: Pediatric Asthma during a Global Pandemic: Identifying Risk Factors of Children with Poorly Controlled Symptoms</i>	2022 – present
<b>Crystal Ajja, MD</b> / Medicine/Pediatrics resident Detroit Medical Center, Detroit, MI <i>Research mentor: Food insecurity in Patients with Food Allergy in Detroit</i>	2022 – present
<b>Veronica Kwiatkowski, MD</b> / Allergy/Immunology Fellow Children's Hospital of Michigan, Detroit, MI <i>Research mentor: The Use of Electronic Monitoring Device for Wheezing (Wheezo) and Remote Monitoring Program (RMP) to Improve Asthma Outcome in Inner-City Children</i>	2022 - present

<p><b>Shannon Manz, BS</b> / Medical student Central Michigan University College of Medicine, Mount Pleasant, MI <i>Research mentor: Pediatric Asthma during a Global Pandemic: Identifying Risk Factors of Children with Poorly Controlled Symptoms</i></p>	2021 – 2022
<p><b>Aishwarya Navalpakam, MD</b> / Allergy/Immunology Fellow Children's Hospital of Michigan, Detroit, MI <i>Research mentor: Immunosuppression from Systemic Steroid Bursts in Asthma</i></p>	2020 – present
<p><b>Ashwin Shankar, DO</b> / Pediatric resident Children's Hospital of Michigan, MI <i>Research mentor: Comparison of Mortality of Matched Newborn Infants with Low TREC levels of Unidentified Etiology and Screening for Adrenal Insufficiency In Asthmatic patients. Manuscript in draft. Mentee is an AAAAI Chrysalis Project awardee and currently accepted to an Allergy/Immunology fellowship at Case Western Reserve University</i></p>	2019 – 2022
<p><b>Mansi Kothari, MD</b> / Pediatric resident Children's Hospital of Michigan, MI <i>Research mentor: Visual Recognition of Asthma Medication in Inner City Asthma Children and Caregivers.” Oral presentation at the American College of Allergy and Immunology Conference 2019. Manuscript in draft. Mentee is currently an Allergy/Immunology Fellow at Mount Sinai Health System, NY.</i></p>	2019 – 2020
<b><u>Curriculum development</u></b>	
Developing procedure competency workshops to ascertain procedural skills required for graduation in the Allergy/Immunology fellowship program	2021 – present
Developing a problem-based learning, best practices and evidence based medicine series for fellows training in the Allergy/Immunology fellowship program	2021 – present
Reviewed and edited the Family medicine curriculum on Allergy and Immunology	2020
Developed a weekly Allergy/Immunology Board Review series for fellows training in the Allergy/Immunology fellowship program	2020
Developed a bi-monthly journal club and case presentation educational series for the faculty and trainees in the Allergy/Immunology division	2020
Developed a lecture series for residents rotating through the Allergy/Immunology elective at the onset of the COVID-19 pandemic when outpatient clinics were halted	2020

<b>QUALITY IMPROVEMENT INITIATIVES</b>	
<b>Early allergenic food introduction in the General Pediatric Clinic</b> – lead educational sessions and developed algorithm for referrals for pediatric residents and faculty regarding early allergenic food introduction in infancy especially those at risk of developing food allergies.	2020
<b>Outpatient Management of Hypereosinophilia</b> – developed a flowchart in collaboration with Pediatric Hematology/Oncology on the work-up and management of children with hypereosinophilia	2020
<b>Adrenal Insufficiency in Children with Asthma due to Frequent Oral Steroid Use</b> – developed an algorithm in collaboration with Pediatric Endocrinology on screening children with asthma on frequent oral corticosteroids	2019
<b>Enhancing Medical Code Preparedness for Residents</b> – developed monthly mock codes for inpatient medicine teams	2018

## **GRANTS, CONTRACTS, AND OTHER FUNDING**

Role: Co-Investigator, Percent Effort: 5%. PI: Pavadee Poowuttikul

Title: The Use of Electronic Monitoring Device for Wheezing (Wheezo) and Remote Monitoring Program (RMP) to Improve Asthma Outcome in Inner-City Children

Source: Respiro

Total Period of Support: 60 weeks

Dates: 09/2022-11/2023

Total Funding: \$231,905/60 weeks

Total Direct Cost: \$8,135/60 weeks

The major goal of this grant is study asthma outcomes in inner-city children who participate in using the Electronic Monitoring Device for Wheezing (Wheezo) and Remote Monitoring Program vs controls

Role: Co-Investigator, Percent Effort 20%. PI: Pavadee Poowuttikul

Title: “Immunosuppression from Systemic Steroid Bursts in Asthma.” The major goal of this pilot study is to evaluate whether frequent steroid bursts from uncontrolled asthma causes impaired immune function. Source: Children’s Foundation, Grant number R1-2020-78

Total Period of Support: 2 year

Dates: 1/2020 – 12/2020

Total Direct costs: none

The goal of this project is to identify immunosuppressive in children with asthma who require frequent systemic steroid courses. Immune laboratory measures will be collected from study and control participants including IgG level, antibody titers, T lymphocyte counts and function.

## **PUBLICATIONS**

### **Peer-Reviewed Publications**

### **Reports of Original Work**

1. Mongkonsritragoon W, Prueksaprapong C, Kewcharoen J, Tokavanich N, Prasitlumkum N, **Huang J**, Poowuttikul P. Prevalence and risk associated with asthma in children hospitalized

with SARS-CoV-2: a meta-analysis and systematic review. *J Allergy Clin Immunol Pract.* 2022 Feb 2:S2213-2198(22)00083-6.

PMID: 35123100

Role: manuscript preparation and review

2. **Huang, J**, Kaur, B, Farooqi, A, Miah, T, McGrath, E, Seth, D, Secord, E, Poowuttikul, P. Elevated Glycated Hemoglobin Is Associated with Reduced Antibody Responses to Vaccinations in Children. *Pediatric Allergy, Immunology, and Pulmonology.* Accepted 2020; in press.  
Role: co-investigator, data analysis, manuscript preparation
3. Wilson MR, Hou Z, Yang S, Polin L, Kushner J, White K, **Huang J**, Ratnam M, Gangjee A, Matherly LH. Targeting non-squamous non-small cell lung can Targeting non-squamous nonsmall cell lung cancer via the proton-coupled folate transporter with 6- substituted pyrrolo[2,3-*d*]pyrimidine thienoyl antifolates. *Mol Pharmacol.* 2016 Apr;89(4):425-34.  
PMID: 26837243.  
Role: study implementation and data analysis
4. Wilson MR, Kugel S, **Huang J**, Wilson LJ, Wloszczynski PA, Ye J, Matherly LH, Hou Z. Structural determinants of human proton-coupled folate transporter oligomerization; role of GXXXG motifs and identification oligomeric interfaces at transmembrane domains 3 and 6. *Biochem J.* 2015 Jul 1;469(1):33-44.  
PMID: 25877470.  
Role: study implementation and data analysis
5. Yin J, **Huang J**, Chen C, Gao N, Wang F, Yu FS. Corneal Complications in Streptozocin induced Type I Diabetic Rats. *IOVS* 2011. Aug 22;52(9):6589-96.  
PMID: 21715347.  
Role: study implementation and data analysis
6. Rhode J, Fogoros S, Zick S, Wahl H, Griffith KA, **Huang J**, Liu JR. Ginger inhibits cell growth and modulates angiogenic factors in ovarian cancer cells. *BMC Complement Altern Med.* 2007 Dec 20;7:44.  
PMID: 18096028.  
Role: study implementation and data analysis
7. Kueck A, Opipari AW Jr, Griffith KA, Tan L, Choi M, **Huang J**, Wahl H, Liu JR. Resveratrol inhibits glucose metabolism in human ovarian cancer cells. *Gynecol Oncol.* 2007 Dec;107(3):450-7.  
PMID: 17825886.  
Role: study implementation and data analysis
8. Zhang M, Liu H, Tian Z, **Huang J**, Remo M, Li QQ. Differential growth inhibition and induction of apoptosis by gossypol between HCT116 and HCT116/Bax(-/-) colorectal cancer cells. *Clin Exp Pharmacol Physiol.* 2007 Mar;34(3):230-7.  
PMID: 17250644.  
Role: study implementation and data analysis

### Case Reports

1. **Huang J**, Moolla A. Transient Hyperpigmentary Lines of the Newborn. *Consultant.* 2019;59(4):124-125.

### Review Articles

1. Yu FS, Yin J, Xu K, **Huang J**. Growth factors and corneal epithelial wound healing. *Brain Res Bull.* 2010 Feb 15;81(2-3):229-35. PMID: 19733636

### Book Authorships, Editorships and Chapters

1. **Huang J**, Pansare, M. New Treatments for Asthma. *Pediatr Clin North Am* 2019 10;66(5): 925-939

### Published Abstracts

1. Navalpakam, A., Thanaputkaiporn, N., Ajja, C., Farooqi, Ahmad., Pansare, M., Seth, D., **Huang, J.**, Poowuttikul, P. Immune Profiles in Inner-city Asthmatic Children Receiving Frequent Systemic Steroids. *Journal of Allergy and Clinical Immunology*, Volume 149, Issue 2, AB191
2. **Huang, J.**, Saini, S., Poowuttikul, P., Seth, D., Secord, E. Abnormal T-cell Excision Circles Newborn Screening Test In An Infant Following Exchange Transfusions. *Annals of Allergy, Asthma & Immunology*, Volume 123, Issue 5, S122.
3. Kothari, M., **Huang, J.Y.**, Hancock, U, Beydoun, S., Seth, D., Secord, E., Poowuttikul, P. Visual Recognition of Asthma Medication in Inner City Asthma Children and Caregivers. *Annals of Allergy, Asthma & Immunology*, Volume 123, Issue 5, S7.
4. **Huang, J.**, Kaur, BP., Seth, D., Pansare, M., Kamat, D., McGrath, E., Secord, E., Poowuttikul, P. Jenny Y. Can Obesity Alter the Immune Response to Childhood Vaccinations? *Journal of Allergy and Clinical Immunology*. 2019 Feb 1; 143(2): ab299.
5. Hou, Z., Wilson, M., Wilson, L., Desmoulin, S., **Huang, J.**, Matherly, L. Identification of structural determinants of human proton-coupled folate transporter oligomerization. *Cancer Res* October 1 2014 (74) (19 Supplement) 783.
6. Gangjee, A., Zhao, S., Kumar, L., Cherian, C., Orr, S., **Huang, J.**, Hou, Z, Matherly, L. Study the variation of the glutamate moiety of AG94, a targeted, potent GARFTase inhibitor, as antitumor agents with the 2-amino-6-substituted pyrrolo[2,3-*d*]pyrimidine scaffold. *Cancer Res* April 15 2013 (73) (8 Supplement) 5492.
7. **Huang, J.**, Xu, K., Chen, CS., Yu, FX. High Glucose Exacerbates UVB-Induced Damage in Human Corneal Epithelial Cells. High Glucose Exacerbates UVB-Induced Damage in Human Corneal Epithelial Cells. *Invest. Ophthalmol. Vis. Sci.* 2010;51(13):1960.
8. Rhode, J., **Huang, J.**, Fogoros, S., Tan, L., Zick, S., and Liu, J.R. Ginger Induces Apoptosis and Autophagocytosis in Ovarian Cancer Cells. *Cancer Res* April 15 2006 (66) (8 Supplement) 1058.

### PRESENTATIONS

#### Podium Presentations

1. Navalpakam, A., Huang, J., Poowuttikul P. "Immune Profiles in Inner-city Asthmatic children Receiving Frequent Sytemic Steroids." Annual Wolf Zuelzer Fellow Research Conference, Detroit, MI, 2022.
2. Huang, J., Poowuttikul, P. "Can Obesity Alter the Immune Response to Childhood Vaccinations?" Annual Wolf Zuelzer Fellow Research Conference, Detroit, MI, 2019.
3. **Huang, J.**, Kaur, BP., Seth, D., Pansare, M., Kamat, D., McGrath, E., Secord, E., Poowuttikul, P. Jenny Y. "Can Obesity Alter the Immune Response to Childhood Vaccinations?" The American Academy of Allergy, Asthma & Immunology (AAAAI) Conference, 2019, San

Francisco, CA.

4. Kothari, M., **Huang, J.Y.**, Hancock, U, Beydoun, S., Seth, D., Secord, E., Poowuttikul, P. "Visual Recognition of Asthma Medication in Inner City Asthma Children and Caregivers." The American College of Allergy, Asthma, and Immunology Conference, 2019, Houston, TX.

### **Poster Presentations**

1. Navalpakam, A., Thanaputkaiporn, N., Ajja, C., Farooqi, Ahmad., Pansare, M., Seth, D., **Huang, J.**, Poowuttikul, P. "Immune Profiles in Inner-city Asthmatic Children Receiving Frequent Systemic Steroids." The American Academy of Allergy, Asthma & Immunology Conference, 2022, Phoenix, Arizona.
2. Navalpakam, A., Saini, S., Tran, C.L., **Huang, J.** Thanaputkaiporn, N., Seth, D., Secord, E., Poowuttikul, P. "A Quality Improvement Initiative to Improve Resident Practices Regarding Flu Vaccine Administration in Individuals with Egg Allergy." The American Academy of Allergy, Asthma & Immunology Conference, 2021, Virtual.
3. Saini, S., Tran, C.L., **Huang, J.** Thanaputkaiporn, N., Seth, D., Secord, E., Poowuttikul, P. "A Quality Improvement Initiative to Improve Resident-Physician Practices Regarding Peanut Introduction in Infancy." The American Academy of Allergy, Asthma & Immunology Conference, 2021, Virtual.
4. **Huang, J.**, Saini, S., Poowuttikul, P., Seth, D., Secord, E. "Abnormal T-cell Excision Circles Newborn Screening Test In An Infant Following Exchange Transfusions." The American College of Allergy, Asthma & Immunology Conference, 2019, Houston, TX.
5. **Huang, J.**, Woodall, M., Kothari, L. "Promoting the pause principle: A pilot program to improve resident comfort and communication in a simulated code." Michigan Quality Improvement Summit, 2018, Troy, MI
6. **Huang, J.**, Cherian, C., Gadageel, S., Matherly, L.H. "Therapeutic targeting non-small cell lung cancer with a novel 6-substituted pyrrolo[2,3-*d*]pyrimidine thienoyl antifolate via its selective membrane transport by the proton-coupled folate transporter." American Medical Women's Association National Conference, 2013, New York, NY.
7. Hou, Z., Wilson, M., Wilson, L., Desmoulin, S., **Huang, J.**, Matherly, L. "Identification of structural determinants of human proton-coupled folate transporter oligomerization." American Association for Cancer Research Annual Meeting, 2014, San Diego, CA.
8. Gangjee, A., Zhao, S., Kumar, L., Cherian, C., Orr, S., **Huang, J.**, Hou, Z, Matherly, L. "Study the variation of the glutamate moiety of AG94, a targeted, potent GARFTase inhibitor, as antitumor agents with the 2-amino-6-substituted pyrrolo[2,3-*d*]pyrimidine scaffold." American Association for Cancer Research Annual Meeting, 2013, Washington, DC.
9. **Huang, J.**, Xu, K., Chen, CS., Yu, FX. "High Glucose Exacerbates UVB-Induced Damage in Human Corneal Epithelial Cells. High Glucose Exacerbates UVB-Induced Damage in Human Corneal Epithelial Cells." Association for Research in Vision and Ophthalmology Conference, 2010, Ft. Lauderdale, FL.
10. Rhode, J., **Huang, J.**, Fogoros, S., Tan, L., Zick, S., and Liu, J.R. "Ginger Induces Apoptosis and Autophagocytosis in Ovarian Cancer Cells." American Association for Cancer Research Annual Meeting, 2006, Washington, DC.

11. **Huang, J.**, Choi, M., Tan, L., and Liu, J.R. "Bcl-2 & Bcl-xL Block Glucose Deprivation Induced Death in Ovarian Cancer Cells." National Conference for Undergraduate Research, 2006, Asheville, NC.
12. **Huang, J.**, Tan, L., and Liu, J.R. "Beclin-1 Induced Sensitivity to Nutrient Deprivation in Ovarian Cancer." Undergraduate Research Opportunity Program Research Scholars Symposium, 2005, Ann Arbor, MI.
13. **Huang, J.**, Remo, M., Zhang, M., and Yang, D. "Identification of Small Molecule Anticancer Drugs Targeting Bcl-2." Undergraduate Research Opportunity Program Symposium, 2004, Ann Arbor, Michigan.

#### **Invited Lectures/Presentations**

1. Invited guest speaker. Beaumont Wayne Family Medicine Program Didactics. "Allergic Reactions to SARS-COV-2 Vaccines." 1/2020.
2. Invited guest speaker. Beaumont Wayne Family Medicine Program Didactics. "Asthma." 4/2021.
3. Invited guest speaker. University of Michigan School of Social Work Continuing Education Integrated Health Program. "Asthma." 4/2021, 11/2021, 4/2022
4. Invited guest speaker for Ground Rounds. St. Joseph. 6/2021.

☒ I, Jenny Huang, Certify that the CV that is uploaded (reviewed) is accurate and up to date.

## Clinical Evaluation

Jenny Huang

Rating: Excellent

### Faculty Highlights:

1. Asthma Ambulatory and Education Committee: Multidisciplinary workgroup to improve asthma care at the Children's Hospital of Michigan. Responsible for outpatient asthma care improvement including asthma education, clinic scheduling, updating work-flow plans.
2. Children's Immune Dysregulation Committee: Multidisciplinary workgroup to discuss and improve co-management of patients with complex medical diagnoses that span the disciplines of rheumatology, hematology/oncology and immunology. Responsible for updating case list, case presentation/discussions.
3. State of Michigan, Michigan Primary Immunodeficiency Disorders Quality Improvement Committee (PIDQIC): Representation from the Children's Hospital of Michigan, involved in discussion of quality control/improvement of newborn screening process for primary immunodeficiency in the state of Michigan.
4. Early allergenic food introduction in the General Pediatric Clinic – led educational sessions and developed algorithm for referrals for pediatric residents and faculty regarding early allergenic food introduction in infancy especially those at risk of developing food allergies.

Please use the next step to optionally upload supporting documentation.

## Administrative Evaluation

Jenny Huang

Rating:	Excellent
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### Faculty Highlights:

1. Graduate Medical Education Committee (GMEC)- Member: Representation from the Allergy/Immunology Fellowship Program, responsible for ensuring compliance with the Accreditation Council for Graduate Medical Education (ACGME) regulations for fellowship training program
2. Associate Program Director: Allergy and Immunology Fellowship Training Program
3. American Academy of Allergy, Asthma & Immunology Subcommittee – Committee on the Underserved- Member: Developing local food allergy and food insecurity initiative to address access to safe foods for underserved patients
4. American Academy of Allergy, Asthma & Immunology Subcommittee – New Allergy/Immunology Assembly - Member: Mentoring fellows-in-training
5. State of Michigan, Michigan Primary Immunodeficiency Disorders Quality Improvement Committee (PIDQIC) - Member: Representation from the Children's Hospital of Michigan, involved in discussion of quality control/improvement of newborn screening process for primary immunodeficiency in the state of Michigan.

Please use the next step to optionally upload supporting documentation.

## Research / Scholarship Evaluation

Jenny Huang

Rating: Excellent

### Faculty Highlights:

#### 1. Original Investigation – Co-Investigator:

- a) Pediatric Asthma during a Global Pandemic: Identifying Risk Factors of Children with Poorly Controlled Symptoms – IRB approved, data collection in progress
- b) The Impact of Food Insecurity in Food Allergic Populations – IRB submitted, pending
- c) Increased Mortality Rate in Infants with Abnormal T-Cell Receptor Excision Circles – data collection and manuscript draft completed, in submission to journal
- d) A 10-year perspective on TREC-based Newborn Screening for Severe Combined Immunodeficiency Disorder and other causes of T cell Lymphopenia in Michigan – IRB approved, data collection in progress
- e) The Use of Electronic Monitoring Device for Wheezing (Wheezo) and Remote Monitoring Program (RMP) to Improve Asthma Outcome in Inner-City Children – Grant funded, IRB pending
- f) Immunosuppression from Systemic Steroid Bursts in Asthma – Grant funded, IRB approved, data collection in progress, research presented by Allergy/Immunology Fellow and awarded the Wolf W. Zuelzer Fellow Research Award – First place

#### 2. Publications:

Mongkonsritragoon W, Prueksapraoprong C, Kewcharoen J, Tokavanich N, Prasitlumkum N, Huang J, Poowuttikul P. Prevalence and risk associated with asthma in children hospitalized with SARS-CoV-2: a meta-analysis and systematic review. J Allergy Clin Immunol Pract. 2022 Feb 2:S2213-2198(22)00083-6. PMID: 35123100

#### 3. Abstracts at National Meeting:

Navalpakam, A., Thanaputkaiporn, N., Ajja, C., Farooqi, Ahmad., Pansare, M., Seth, D., Huang, J., Poowuttikul, P. Immune Profiles in Inner-city Asthmatic Children Receiving Frequent Systemic Steroids. Journal of Allergy and Clinical Immunology, Volume 149, Issue 2, AB191 – Presented at AAAAI National Conference

Please use the next step to optionally upload supporting documentation.

## Education Evaluation

Jenny Huang

Rating: Excellent

### Faculty Highlights:

1. Residents and Fellows (Children's Hospital of Michigan) instruction: Bedside clinical teaching to medical students (Wayne State University SOM and Central Michigan College of Michigan), residents, Allergy/Immunology Fellows during their clerkship.
2. Continuing Medical Education Committee: Responsible for coordinating the education schedule for Allergy/Immunology Grand Rounds, inviting guest speakers and updating requirements necessary to maintain CME status for lectures
3. Lectures for Allergy/Immunology Grand Rounds during academic year 2021-2022: Hyper-IgM; DiGeorge Syndrome; Wiskott-Aldrich Syndrome; Eosinophils and Basophil Biology
4. Curriculum Development
  - a) Developed procedure competency workshops to ascertain procedural skills required for graduation in the Allergy/Immunology fellowship program
  - b) Developed a problem-based learning, best practices and evidence based medicine series for fellows training in the Allergy/Immunology fellowship program
5. Lecturer - University of Michigan School of Social Work Continuing Education Integrated Health Program. "Pediatric Asthma." Spring and Fall 2022 Courses

Please use the next step to optionally upload supporting documentation.

## Professionalism Evaluation

Jenny Huang

Rating:	Excellent
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Faculty Highlights:	100% Attendance in Allergy/Immunology Grand Rounds, division meetings Helping to coordinate improvement in work-flow/team work/communication in clinic
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Please use the next step to optionally upload supporting documentation.

## Academic Goals

Jenny Huang

### Prior Academic Year Goals

Please review your 1-year goals that were set at the beginning of the Academic Year. These goals described the objectives and products, etc., to be reached and produced in the coming year that move toward fulfillment of the 5-year vision describe in your 5-year goals. Please use the below box to discuss the extent to which you have achieved your 1-year goals.

Year 1:	My year 1 goal was to promote more research endeavors in the division. During the past year, I have been involved in several research projects and have helped in conceptualizing project ideas, designing project protocols, reviewing IRB prior to submission. I have also helped to coordinate research meetings for the division to discuss new and ongoing faculty research projects.
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Please review the 5-year goals that were set at the beginning of the Academic Year. These goals described your professional vision and trajectory for the upcoming 5-year period. Your plan might have included a succinct statement of overall goals, a list of intermediate objectives to be reached along the way, suggestions of additional educational or training experiences to assist you, and an enumeration of the products (publications, presentation, grants; courses taught; skills gained; etc.) of your work. Please use the below box to reflect upon which goals you have made progress on.

Year 5:	<ol style="list-style-type: none"><li>1. in process of completing research project and submitting for presentation at the national conference. Also preparing for possible manuscript.</li> <li>2. Continued to develop clinical skills using evidence based practice by developing education schedule that helped with evidence based topics in Allergy/Immunology. Also implemented a new learning curriculum for fellows based on reviewing evidence based practice in various Allergy/Immunology topics.</li></ol>
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### Upcoming Academic Year Goals

ONE YEAR GOALS- Please list your goals for the upcoming academic year. These goals should describe the objectives and products, etc., to be reached and produced in the coming year that move toward fulfillment of the 5-year vision describe in your 5-year goals.

1. Continue to work on completing current research projects: Food insecurity/food allergy project; Barriers to asthma control in the inner-city during the pandemic
2. Start new research projects: Epigenetics and the atopic march project; Artificial Intelligence and Asthma education
3. Complete outstanding manuscripts

FIVE YEAR GOALS- Please review your 5-year goals and adjust those goals or add new goals in the box below.

1. Research: promote more divisional research; Multi-center research/networking
2. Medical Education: improving faculty engagement, fellowship training
3. Community engagement: Work with the Detroit public schools on asthma, anaphylaxis education, asthma van, Collaboration with Asthma and Allergy Foundation of Michigan

## Faculty Information Form

Jenny Huang

Do you plan to apply for promotion or  
tenure as applicable next 12 to 24 months?

No

Please describe how the College of  
Medicine can support you in your career.

Faculty development

## Chair Review Form

Jenny Huang

Clinical Chair Evaluation:	Excellent
Chair/Reviewer Comments:	Dr. Huang is an excellent clinician. As junior faculty, she has been an active member of multiple clinical committees at the department level and the state level. She also initiated one committee working on early allergenic food introduction in the General Pediatric Clinic and co-founded Children's Immune Dysregulation Committee. I agree with her self-evaluation. assessment.
Administrative Chair Evaluation:	Excellent
Chair/Reviewer Comments:	Dr. Huang has done a great job participating in many administrative committees at the division level and national level such as the State of Michigan, Primary Immunodeficiency Disorders Quality Improvement Committee and the American Academy of Allergy, Asthma & Immunology Subcommittee – Committee on the Underserved Population. I agree with her self-evaluation.
Research Chair Evaluation:	Excellent
Chair/Reviewer Comments:	Dr. Huang has been an active clinical researcher in our division. As a junior faculty, she was able to obtain funding as a co-PI. She has 2 active allergy/immunology projects that she is a PI and 3 projects that she is a co-PI. She published one original work, and recently submitted one original work as the first author. She also published one abstract and one book chapter is recently accepted for publication. I agree with her self-evaluation.
Education Chair Evaluation:	Excellent
Chair/Reviewer Comments:	Dr. Huang is an excellent teacher. She is an associate program director of Allergy/Immunology Fellowship training program. She has been very active in fellowship education and has initiated a new curriculum for evidence-based medicine small group discussion for Allergy/Immunology fellows and faculty. She also contributes locally as an invited lecturer for various institutions.
Professionalism Chair Evaluation:	Excellent
Chair/Reviewer Comments:	Dr. Huang is very pleasant to work with. She has a strong work ethic and works very well with other faculty, trainees, nurses and other hospital staffs.
1 Year Goal Chair/Reviewer Comments:	Dr. Huang has a good progression towards accomplishing 1-year goals.
5 Year Goal Chair/Reviewer Comments:	I believe Dr. Huang will accomplish her 5-year goals at her current rate of clinical, administration, teaching and research involvement. I encourage Dr. Huang to apply for a promotion at the end of year 5. Involvement in all areas at the medical school level, state and national level is highly encouraged.
Review and Suggestions for new one-year goals:	Continue as highlighted in the self-report.
Did the faculty member indicate that they will be applying for promotion or tenure within the next 12 to 24 months?	No