The University of Texas MD Anderson Cancer Center UTHealth
Graduate School of Biomedical Sciences

Faculty Meeting

Thursday, September 22, 2022 3:00 p.m.

Agenda

1. **Approval of Minutes from March 3, 2022 Meeting –** Michael Galko, PhD

2. **Dr. Michael Galko will pass the Faculty President's Gavel to Claire N. Singletary, MS, CGC**

3. **Nomination of candidate (s) for 2022-2023 Vice President/President-Elect of the GSBS Faculty –** Claire Singletary, MS, CGC
   - Nomination by the Executive Committee: Jichao Chen, PhD
   - Call for Additional Nominations
   - Faculty Vote

4. **Vote on Chairs and New Members of the 2022-2023 GSBS Standing Committees –** Claire Singletary, MS, CGC

5. **Vote on GSBS Faculty Bylaw Changes –** Claire Singletary, MS, CGC

6. **Presentation of the D. Dudley and Judy White Oldham Faculty Award –** Claire Singletary, MS, CGC

7. **Dean's Report –** Sharon Dent, PhD, Dean, ad interim
   - Recognition of Outgoing Program Directors
   - Staff Changes at the GSBS
   - Stipend Increase
   - Lab Coat Ceremony

8. **Update on GSBS Dean Search**

9. **Parental Leave Policy –** Pat Bruesch

10. **Old Business**

11. **New Business**

The University of Texas MD Anderson Cancer Center UTHealth
Graduate School of Biomedical Sciences

FACULTY MEETING
March 3, 2022 - 3:00 PM

MINUTES

Present: Michael Galko, Chair; Actor, Akbani, Alcorn, Aldaz, Arur, Azhdarinia, Bailey, Bankson, Bar-Eli, Bartholomew, Bedford, Bednar, Beierlein, Berdeaux, Blackburn, Calin, Cantor, Carlin, Carmon, Chandra, S Chang, Han Chen, Ken Chen, Lisa Chen, Jichao Chen, Xiaodong Cheng (MDA) S Cho, Cole, Cunha, Curran, Czerwinski, Dabaghian, Daniel, DeLay, Du, Gandhi, Denicourt, Dessauer, Do Monte, Dougherty, Eckel-Mahan, Eckmekcioglu, Eisenhoffer, S Evans, Farach-Carson, A Flores, Fornage, Friel, Fries, Frigo, Frost, Gandhi, Garsin, Gordon, Gorfe, Gu, Hagan, Harrington, Hart, Hildebrandt, Horton, Jian Hu, A Jain, Jayaraman, D Johnson, K Jones, Jun, Karmouty Quintana, Kalluri, Kaplan, Kapoor, Klegerman, Koehler, Konovalova, Krahe, Kry, Kudchadker, Layman, Dung-Fang Lee, Jayhun Lee, Liang Li, Wenbo Li, Wenliang Li, Yi-Ping Li, Yisheng Li, Ziyin Li, Chunru Lin, Ruitao Lin, Lorenz, Lozano, Zhen Lu, Margolin, Marshak, Mattox, McCrea, McCullough, Milewicz, N Millward, Mirkovic, Mogghaddam, Morales, Morano, Morgan, Morrison, Mosher, Nagayama, Narkar, Netherton, Olson, Pagel, Pan, Parker-Thornburg, JC Perez, Richie, Sahoo, Salinas, Santos, Scaini, Seymour, Shadding, Shahnawaz, Shete, Siddik, Singletary, Stavoe, Taegtmeyer,P Taylor, Teng, Titus, Urayama, van Hoof, Venna, Viale, Walker, Walters, Bin Wang, Guocan Wang, Hongyu Wang, Jihon Wang, Jun Wang, Xin A Wang, KK Wong, Waxham, John Weinstein, Wendt, Chenggang Wu, Danielle Wu, Liuqing Yang, Xiangli Yang, Yates, C Yin, H Ying, You, D Yu, S Zhang, J Zhang, X Zhang, M Zhu

Staff/Administration: Agurcia-Parker, Barker, Barnett, Brewer Savannah, , Amy Carter, E. Wassim Chehab, Cruz Bruesch, Lademora, Lau, Lindheim, Perez, Price, Rademacher, Rech, Sirisaengtaksin, Simon, Snow, Spitzenberger, Valladolid, Weinberg, Williamson

1. **September 9, 2021 Faculty Meeting minutes were unanimously approved.**

2. **Commencement Plans**
   Dr. Mattox reported:
   - GSBS Commencement 2022 will be held at Minute Maid Park on Friday, May 13 at 4:00 pm. This will be a joint ceremony with the McGovern Medical School and the School of Bioinformatics.
   - Advisors will be able to hood their graduates. GSBS will pay for faculty regalia.
   - The McGovern Outstanding Teaching Award will be presented to the honoree.
   - Dr. Brene' Brown will be the commencement speaker.

3. **Admissions – Interviews and On-site Visitations**
   Dr. Shadding and Karen Weinberg reported:
   - We have had two sets of virtual interviews, with the last two planned for March 2022.

- We plan to invite students that have been admitted to GSBS to attend one of two in-person visitations sessions, currently scheduled for March 23 or April 6. This is optional, but we want to give them a chance to learn more about our school.
- We will have a Dean's Welcome, lab and facility tours, student talks, activities, and dinner with faculty.
- Admissions update:
    - 54 offers out
    - 5 accepted
    - 2 declined
    - 45 students invited to March 23rd visitation, and 19 have confirmed so far

4. Dean's Report

Dean Blackburn reported:

- Thanked faculty, students, staff and leaders who have been attentive and flexible in providing guidance during COVID to ensure that we can continue to educate students and ensure that they are making academic progress.
- Since COVID numbers have fallen, we will see guidelines issued that will allow more in-person teaching and gathering. We should get together whenever we can, while remaining safe. We will begin to see in-person program retreats and poster sessions.
- Dean Blackburn will retire at the end of June. A formal announcement, including a transition plan for interim leadership is forthcoming.
- The institutions have committed to hold a national search for the next dean, and they have selected Dr. Guillermina Lozano and Dr. Kevin Morano as the search committee co-chairs.

5. Dean Search

Dr. Lozano and Dr. Morano reported:

- Drs. Colasurdo and Pisters are supportive of a national search for a dean. This individual will be a nationally-recognized individual from one of our institutions or an external candidate.
- The search committee composition will be finalized soon. There will be representation from both institutions and the GSBS advisory council. Committee members will be required to take unconscious bias training.
- The committee will work with the executive search firm Spencer Stuart to identify top talent and generate the strongest candidate pool possible.
- Faculty are encouraged to suggest candidates to Drs. Lozano and Morano or the search firm; especially open to a diverse candidate pool.
- The search timeline aims to have a new Dean in place by September 2023. Dean Blackburn will retire in June, and there is a plan for the interim period that will be announced as soon as the paperwork is finalized.

6. Proposed Stipend Increase – Michael Blackburn, PhD/Pat Bruesch

Dean Blackburn and Pat Bruesch reported:

- An important part of what we do is to support our students with stipends and benefits.
- The proposed increase was discussed with the Executive Committee and Program Directors Committee and was sent to the GSBS Faculty to prepare for discussion at this meeting. Both

committees agreed that it's important to support students and to offer a stipend that is competitive with other schools.

- It's important to GSBS to include faculty feedback in this process since they are the ones that support students through grants/programs. The institutions will also have to approve the increases due to the impact on the budget, and knowing that an increase is supported by the faculty will be important to our institutional leadership.
- **Proposal: Increase stipend for PhD and MD/PhD students from $32,000 per year to $36,000 per year effective Fall 2023 for all students**
    - The last GSBS stipend increase occurred in Fall 2018
    - A list of competitor schools was derived looking at admissions data from the past 5 years to compare stipend levels
    - Although Houston has a lower cost of living than the national average, an increase is needed to provide a living wage for students

  Proposal if GSBS faculty approve the above: Increase stipend range for MS in Biomedical Sciences students in line with PhD students
    - Current range is $24,000 - $32,000
    - If Stipend goes up to $35K for PhD – new range would be $27,000 - $35,000 per year
    - If Stipend goes up to $36K for PhD – new range would be $28,000 - $36,000 per year

  GSBS will discuss an increase to stipend range for MS in Medical Physics program students with Medical Physics program faculty
    - Current range is $15,000 - $32,000

  Any stipend increases would apply to all students, not just those matriculating in Fall 2023.

- **GSBS Stipend Level and Duration of Support from GSBS**

Entry Year	Stipend Level	Duration of Support from GSBS
2004	$ 20,800	9 months
2005	$ 23,000	9 months
2006	$ 23,000	9 months
2007	$ 23,000	9 months
2008	$ 26,000	2 years
2009	$ 26,000	2 years
2010	$ 26,000	2 years
2011	$ 26,000	2 years
2012	$ 29,000	2 years
2013	$ 29,000	2 years
2014	$ 29,000	2 years
2015	$ 29,000	2 years
(Beginning Summer) 2016	$ 29,000	16 months
2017	$ 29,000	16 months
2018	**$ 32,000**	**16 months**
2019	$ 32,000	16 months
2020	$ 32,000	16 months
2021	$ 32,000	16 months

Last stipend increase was in 2018, when the amount increased from $29,000 to $32,000

- A list of competitor schools was generated using the last 5 years of admissions data. These are schools that students went to who also declined an offer of GSBS admission. Stipend amounts offered by competitor schools were compared to the GSBS stipend level. A comparison of the raw stipend levels and a comparison of stipend levels following cost-of-living adjustments were provided.
    - Based on stipend amount, without any cost-of-living adjustment, GSBS ranks 16/18.

Name of School	City and State	Annual Stipend +/- cost of Health Insurance	Cost of Living Index (BestPlaces.net)	Percent Difference in Cost of Living Index Based on 100	Annual Stipend Adjusted to Cost of Living Index of 100 (BestPlaces.net)	Percent Difference in Cost of Living Index (Salary.com)	Annual Stipend Adjusted to Cost of Living Index of 100 (Salary.com)
Weill Cornell Graduate School of Medical Sciences	New York, NY	$ 43,500	187.2	87.2%	$ 23,237	80.4%	$ 24,113
University of California, San Francisco	San Francisco, CA	$ 42,500	269.3	169.3%	$ 15,782	86.1%	$ 22,837
Harvard University	Cambridge, MA	$ 40,632	181.8	81.8%	$ 22,350	51.0%	$ 26,909
Northwestern University	Evanston, IL	$ 35,196	119.9	19.9%	$ 29,354	14.9%	$ 30,632
Baylor College of Medicine	Houston, TX	$ 35,000	96.5	-3.5%	$ 36,269	-8.0%	$ 38,043
Johns Hopkins University	Baltimore, MD	$ 34,910	88.2	-11.8%	$ 39,580	10.9%	$ 31,479
University of Michigan-Ann Arbor	Ann Arbor, MI	$ 34,794	117.5	17.5%	$ 29,612	6.7%	$ 32,609
University of California, San Diego	San Diego, CA	$ 34,000	160.4	60.4%	$ 21,197	35.0%	$ 25,185
University of Chicago	Chicago, IL	$ 34,000	106.9	6.9%	$ 31,805	15.0%	$ 29,565
University of Pennsylvania	Philadelphia, PA	$ 34,000	101.2	1.2%	$ 33,597	13.7%	$ 29,903
University of North Carolina-Chapel Hill	Chapel Hill, NC	$ 33,000	118.3	18.3%	$ 27,895	2.2%	$ 32,290
Emory University	Atlanta, GA	$ 32,569	107.5	7.5%	$ 30,297	0.3%	$ 32,472
University of Texas Southwestern Medical Center at Dallas	Dallas, TX	$ 32,500	101.6	1.6%	$ 31,988	-2.7%	$ 33,402
Washington University in St. Louis	St. Louis, MO	$ 32,500	81.3	-18.7%	$ 39,975	-11.6%	$ 36,765
Vanderbilt University	Nashville, TN	$ 32,500	101.4	1.4%	$ 32,051	-4.8%	$ 34,139
University of Texas MD Anderson UTHealth Graduate School of Biomedical Sciences	**Houston, TX**	**$ 32,000**	**96.5**	**-3.5%**	**$ 33,161**	**-8.0%**	**$ 34,783**
Princeton Univeristy	Princeton, NJ	$ 31,720	194.6	94.6%	$ 16,300	13.5%	$ 27,947
Duke University	Durham, NC	$ 31,160	95.2	-4.8%	$ 32,731	4.3%	$ 29,875

    - After cost-of-living adjustment, GSBS ranks 3/18 (based on data from Salary.com). Baylor ranks at number 1.

Name of School	City and State	Annual Stipend +/- cost of Health Insurance	Percent Difference in Cost of Living Index (Salary.com)	Annual Stipend Adjusted to Cost of Living Index of 100 (Salary.com)
Baylor College of Medicine	Houston, TX	$ 35,000	-8.0%	$ 38,043
Washington University in St. Louis	St. Louis, MO	$ 32,500	-11.6%	$ 36,765
University of Texas MD Anderson UTHealth Graduate School of Biomedical Sciences	**Houston, TX**	**$ 32,000**	**-8.0%**	**$ 34,783**
Vanderbilt University	Nashville, TN	$ 32,500	-4.8%	$ 34,139
University of Texas Southwestern Medical Center at Dallas	Dallas, TX	$ 32,500	-2.7%	$ 33,402
University of Michigan-Ann Arbor	Ann Arbor, MI	$ 34,794	6.7%	$ 32,609
Emory University	Atlanta, GA	$ 32,569	0.3%	$ 32,472
University of North Carolina-Chapel Hill	Chapel Hill, NC	$ 33,000	2.2%	$ 32,290
Johns Hopkins University	Baltimore, MD	$ 34,910	10.9%	$ 31,479
Northwestern University	Evanston, IL	$ 35,196	14.9%	$ 30,632
University of Pennsylvania	Philadelphia, PA	$ 34,000	13.7%	$ 29,903
Duke University	Durham, NC	$ 31,160	4.3%	$ 29,875
University of Chicago	Chicago, IL	$ 34,000	15.0%	$ 29,565
Princeton Univeristy	Princeton, NJ	$ 31,720	13.5%	$ 27,947
Harvard University	Cambridge, MA	$ 40,632	51.0%	$ 26,909
University of California, San Diego	San Diego, CA	$ 34,000	35.0%	$ 25,185
Weill Cornell Graduate School of Medical Sciences	New York, NY	$ 43,500	80.4%	$ 24,113
University of California, San Francisco	San Francisco, CA	$ 42,500	86.1%	$ 22,837

- An MIT living wage calculator suggests a living wage for a single adult in Harris County to be $29,807. The Economic Policy Institute suggests a living wage for Houston, The Woodlands, and Sugarland Metro Area to be $35,391. It is important to know that the calculators are highly individualized based on a person's unique circumstances.
    - These calculators are based on a large area of Houston/Harris County, and cost of living within the Texas Medical Center may be higher than surrounding areas.
- Annual Cost of Supporting a PhD Student

	Current Costs Academic Year 2021-22	$35K Stipend Academic Year 2022-23	$36K Stipend Increase Academic Year 2022-23
Stipend	$ 32,000	$ 35,000	$ 36,000
Benefits	$ 8,960	$ 9,800	$ 10,080
Tuition and Fees	$ 5,828	$ 6,645	$ 6,645
Total	$ 46,788	$ 51,445	$ 52,725
Increase of →		$ 4,657	$ 5,937

- Impact to GSBS Budget and Parent Institutions

Estimated Annual Costs			
Stipend Level	GSBS	MD/PHD Program	Total
$ 32,000.00	$ 3,571,916.80	$ 711,449.60	$ 4,283,366.40
$ 33,000.00	$ 3,724,876.80	$ 738,849.60	$ 4,463,726.40
$ 34,000.00	$ 3,877,836.80	$ 766,249.60	$ 4,644,086.40
$ 35,000.00	$ 4,030,796.80	$ 793,649.60	$ 4,824,446.40
$ 36,000.00	$ 4,183,756.80	$ 821,049.60	$ 5,004,806.40
Projected Additional Annual Costs in Comparison to $32K stipend level			
Stipend Level	GSBS	MD/PHD Program	Total
$ 33,000.00	$ 152,960.00	$ 27,400.00	$ 180,360.00
$ 34,000.00	$ 305,920.00	$ 54,800.00	$ 360,720.00
$ 35,000.00	$ 458,880.00	$ 82,200.00	$ 541,080.00
$ 36,000.00	$ 611,840.00	$ 109,600.00	$ 721,440.00

- Discussion and questions
    - What is the duration of support of our competitor schools? Can GSBS increase the duration of support?
        - There are some schools that support a longer duration, but most schools support students for less than 16 months. Discussions of longer durations with institutional leadership have not yet happened.
    - If we do the increase to $36,000, since the institutions must approve the increase, is it likely they will approve this?
        - This is an annual budget discussion, and they haven't approved it yet, but they have in the past. They will want to know what faculty think first. Approval is not guaranteed, but they have offered their initial support.
    - This is a pretty modest raise if we're thinking over a four or five year period. We should be thinking about inflation. From the time they start to the time they finish, we should lean towards the higher end, just to be fair to them.
    - Part of a rationale to propose the increase to start Fall 2023 is so that everyone has adequate time to plan for the impact to everyone's budget.
    - Instead of a big increase to $36,000, maybe it can be a gradual increase, or annual increase so that we don't have to revisit the issue in four or five years.
    - We should support this to need to remain competitive, but for faculty that have multiple students they have been able to get support to GSBS in order to help cover the increases. Will it be the same this time?
        - In the budget discussions with our institutions, we will build in support for faculty that find themselves in this scenario.
    - If we increase the salary and increase the fees, many PIs may favor postdocs over students.

    - Occasionally, we have incoming faculty that bring students from other institutions, or there are students that go to another institution with their mentors. Is there a general understanding that these students should be paid the same stipend level?
        - When our students are in that situation, and they move because their faculty member is going to a new institution, students must be paid at least the same level as other GSBS students, and stipends are increased if cost-of-living is higher.
    - Can we put it on the table to ask our institutions to increase the duration of support back to 24 months?
        - We might be able to leverage the opportunity of recruiting a new Dean to try to work with the Presidents on a bigger ask, such as a 2 year or 3 year period of support.
        - We should focus on this particular raise, then gain a groundswell of support for a longer duration.
- A motion was put forth to end the discussion and was passed by the GSBS faculty.
- The proposed stipend increases were approved by the GSBS faculty.
- Faculty approval of the stipend increases is step one. Next, the institutions will need to approve the increases.
- If/when the institutions approve the stipend increases, faculty will be notified by:
    - Email
    - Website
    - Notices in GSBS Essential

7. Old Business

No old business was discussed.

8. New Business

No new business was discussed.

CURRICULUM VITAE

Jichao Chen, Ph.D., M.H.S.

PRESENT TITLE AND AFFILIATION

Primary Appointment

Associate Professor (term tenure), Department of Pulmonary Medicine - Research, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX

OFFICE ADDRESS

The University of Texas MD Anderson Cancer Center
6565 MD Anderson BLVD, Z9.5052
Unit Number: 1100
Houston, TX 77030
Phone: 713-745-0630
Fax: 713-563-0411
Email: jchen16@mdanderson.org

EDUCATION

Degree-Granting Education

Fudan University, Shanghai, China, BS, 2001, Biochemistry

The Johns Hopkins University School of Public Health, Baltimore, MD, MHS, 2007, Bioinformatics

The Johns Hopkins University School of Medicine, Baltimore, MD, PHD, 2007, Molecular Biology and Genetics

Postgraduate Training

Postdoctoral fellowship, Biochemistry, Stanford University, Stanford, CA, Mark Krasnow, 3/2007−3/2011

EXPERIENCE/SERVICE

Academic Appointments

Associate Professor (term tenure), Department of Pulmonary Medicine - Research, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 2017−present

Adjunct Assistant Professor, Department of Medicine, Section of Pulmonary, Critical Care, and Sleep Medicine, Baylor College of Medicine, Houston, TX, 2017−present

Assistant Professor, Department of Pulmonary Medicine - Research, Division of Internal Medicine, The University of Texas MD Anderson Cancer Center, Houston, TX, 2011−2017

Member, UT-GSBS Genes and Development Graduate Program, Houston, TX, 2012−present

Member, Baylor Developmental Biology Graduate Program, Houston, TX, 2017−present

Co-Director, UT-GSBS Genetics and Epigenetics Graduate Program, Houston, TX, 2018−2020

Director, UT-GSBS Genetics and Epigenetics Graduate Program, Houston, TX, 2020−2022

Other Appointments/Responsibilities

Research assistant, Fudan University, Shanghai, China, 1999−2001

Research assistant, Johns Hopkins University School of Medicine, Baltimore, MD, 2001−2007

Postdoctoral fellow, Stanford University, Stanford, CA, 2007−2011

Institutional Committee Activities

Pulmonary Medicine tenure track faculty search committee, Member, 12/2011−4/2012

Genes & Development Graduate Program Retreat, Poster judge, 3/2012, 4/2015

2012 MDACC Trainee Research Day, Poster judge, 5/2012−6/2012

Genes & Development Graduate Program rotation talk organizer, Organizer, 9/2012−8/2014

Genes & Development Graduate Program admission reviewer, Reviewer, 9/2012−8/2014

2013 MDACC Trainee Research Day, Poster judge, 4/2013−6/2013

Lummis Fellowship Reviewer, Reviewer, 8/2013

2014 MDACC Trainee Research Day, Poster judge, 4/2014−6/2014

CPRIT internal review, Reviewer, 8/2015

Genes & Development Graduate Program award review committee, Member, 8/2016

GSBS Knudson dissertation award review committee, Reviewer, 2/2017

GSBS admission interviewer, Interviewer, 2/2017

GSBS MD/PhD admission interviewer, Interviewer, 12/2017

Baylor Developmental Biology Graduate Program admission interviewer, Interviewer, 2/2018

Baylor Developmental Biology Graduate Program retreat, Poster judge, 2/2018

GSBS admission interviewer, Interviewer, 3/2018

GSBS MD/PhD admission interviewer, Interviewer, 12/2018

Baylor Developmental Biology Graduate Program admission interviewer, Interviewer, 2/2020

GSBS admission interviewer, Interviewer, 2/2020

MDACC Start-up fund review, Reviewer, 8/2020

GSBS admission interviewer, Interviewer, 2/2021

MDACC Pulmonary Medicine Council of Research Promotion & Harmonization, Member, 1/2021-present

MDACC Pulmonary Medicine, Director of Basic Research, 4/2021-present

MDACC CCSG technology development grant review, Reviewer, 6/2021

REACT (Research Enablement, Activities and Conduct Team), Member, 2021-present

MDACC Academic Review Committee, Member, 1/2022-present

GSBS admission interviewer, Interviewer, 2/2022

GSBS Program Directors Committee, Chair, 2/2022-7/2022

GSBS Executive Committee, Member, 2/2022-7/2022

GSBS Dean search committee, Member, 2/2022-present

MDACC GEMF Director search committee, Member, 4/2022-present

GSBS International Student Association, Faculty Advisor, 7/2022-present

EXTRAMURAL ACTIVITIES

NIH LIRR study section, ad-hoc Member, 10/2018, 10/2019, 10/2020, 2/2021

NIH study section special emphasis panel ZRG1 CVRS-N (03) M 3/2022

The University of Texas Health Center for Clinical and Translational Sciences Pilot Project Awards reviewer, 8/2019

Cystic Fibrosis Foundation Epithelial Stem Cell Consortium reviewer, 11/2020

UK Medical Research Council reviewer, 3/2021

Department of Defense Congressionally Directed Medical Research Programs (CDMRP) reviewer, 6/2021

LungMAP cell nomenclature working group member, 4/2022-present

FASEB lung epithelium conference, Chair-elect, 8/2024

HONORS AND AWARDS

Tan Jiazhen Life Science Fellowship for 3rd highest score among 20,000 students in the National College Entrance Examination, 1997

The Freshman Fellowship, 1997

Excellent Student of Fudan University, 1998−2000

Hongkong Sponsor Fellowship for distinguished students, 1998

Outstanding Student Fellow of Fudan University, 1998−2000

People Scholarship of Fudan University, 1998−2000

Monsanto Fellowship for Distinguished Students, 1999−2000

Jane Coffin Childs Memorial Fund for Medical Research, 2007−2010

Phi Beta Kappa (Ph.D.), 2007

The University of Texas System Rising STARS award, 2011−2013

MDACC Division of Internal Medicine Researcher of the Year, 2013

MDACC Division of Internal Medicine Distinguished Paper Award, 2013

UT Lung SPORE Career Development Award, 2013−2014

MDACC R. Lee Clark Fellows Award, 2014−2016

American Lung Association Biomedical Research Grant (declined), 2015−2016

March of Dimes Basil O'Connor Scholar Award, 2015−2017

MDACC Division of Internal Medicine Cyrus Scholar Award, 2016−2019

American Lung Association Innovation Award, 2019−2021

MDACC Division of Internal Medicine Distinguished Paper Award, 2020

John P. McGovern Award for Outstanding Teaching (nominated and voted by graduate students), 2021

MDACC Division of Internal Medicine Distinguished Paper Award, 2021

Paul E. Darlington Mentor Award, 2022

MDACC Faculty Honorees in Education & Mentorship Advancement, 2022

RESEARCH

Grants and Contracts

Funded

Principal Investigator, Transcriptional and epigenetic basis of lung epithelial cell fate, R01HL153511, NIH/NHLBI, 7/1/2020−6/30/2024, $2,496,278 (direct cost $ 418,541/year)

Principal Investigator, Regulation of mesenchymal cells by epithelial Wnt ligands, R01HL130129 (renewed R01HL130129 2016-2021), NIH/NHLBI, 8/1/2021−7/31/2025, $2,432,620 (direct cost $375,404/year)

Principal Investigator, The University of Texas M. D. Anderson Cancer Center Retention Fund, 6/1/2018−5/31/2023, $1,000,000

Mentor, Mechanism of pulmonary endothelial cell heterogeneity and its role in disease (Lisandra Vila Ellis, K99 MOSAIC program), K99 HL155845, NIH/NHLBI, 6/1/2021-5/31/2023, $196,788

Co-Investigator, PAF-Remodeled DREAM Complex in Cancer and Regeneration (PI: Park), R01CA193297, NIH/NCI, 8/11/2020−4/31/2025, 2% effort

Mentor, Novel role of endothelial NTRK2 in respiratory virus infection-induced lung injury and regeneration (Celine Kong, Dr. John J. Kopchick Fellowship), UT-GSBS, 10/1/2021-9/30/2023, $30,000

Mentor, Role of myofibroblasts apoptosis during lung development and injury repair (Maria Jose Gacha Garay, Larry Deaven Ph.D. Fellowship in Biomedical Sciences), UT-GSBS, 10/1/2022-9/30/2023, $48,000 (stipend, benefit, tuition)

Mentor, AP-1 as a transcriptional regulator of AT2 cell reversible activation during lung injury response (Anne Lynch, F31 graduate student fellowship), F31HL165914, NIH/NHLBI, 10/1/2022-9/30/2025, $97,563 (Award anticipated)

Co-Investigator, Elucidating the evolution of Krt8+ alveolar cells to Kras-mutant lung preneoplasia and cancer (PI: Kadara), NIH/NCI, 5% effort (Award anticipated)

Co-Investigator, DLL4 in the Developing Lung and BPD (PI: Sampath), NIH/NHBLI, 5% effort plus 20% research assistant (Award anticipated)

Completed

Principal Investigator, MDACC-IRG, UT-MDACC, 8/1/2018−7/31/2019, $75,000

Principal Investigator, 3D imaging of lung development, The University of Texas System Rising STARS award, 9/17/2010−9/16/2013, $250,000

Principal Investigator, Developmental gene regulatory network in lung tumor initiation, UT-MDACC Lung SPORE Career Development Award, 2/1/2013−1/31/2014, $25,000

Principal Investigator, MDACC-IRG, UT-MDACC, 7/1/2014−8/31/2015, $50,000

Principal Investigator, R. Lee Clark Fellows Award, UT-MDACC, 4/1/2014−3/31/2016, $100,000

Principal Investigator, Genetic and Cellular Mechanisms of Airway Diameter Control, March of Dimes Basil O'Connor Scholar Award, 2/1/2015−1/31/2017, $150,000

Principal Investigator, Lung development and lung cancer, The University of Texas M. D. Anderson Cancer Center Start-up Fund, 3/22/2011−12/31/2018, $900,000

Principal Investigator, Role of AT1 cells in perinatal lung maturation, R01HL130129, NIH/NHLBI, 3/16/2016−8/31/2021, $2,000,000 (direct cost $253,968/year)

Principal Investigator, Role of AT1 cells in perinatal lung maturation (R01 supplement for a postdoctoral fellow), R01HL130129-02S1, NIH/NHLBI, 3/14/2017-2/28/2020, $258,470,

Mentor, Identification of a key transcriptional regulator of AT1 cell development and maintenance (Danielle Little, F31 graduate student fellowship), F31HL139095, NIH/NHLBI, 8/4/2017-8/3/2020, $93,108

Mentor, The signaling role of alveolar type 1 cell-derived Wnt ligands during alveologenesis (Odemaris Narvaez Del Pilar, F31 graduate student fellowship), F31HL149232, NIH/NHLBI, 10/1/2019-7/31/2021, $97,563

Principal Investigator, American Lung Association Innovation Award, 7/1/2019−12/31/2021, $150,000 ($75,000/year)

PUBLICATIONS

Peer-Reviewed Original Research Articles

1. Ge XC, **Chen JC**, Wang WY, Cao KM, Sun CR. [Construction of mutants of rice nonspecific lipid transfer protein and expression comparison in two kinds of thioredoxin fusion expression vectors]. Sheng Wu Gong Cheng Xue Bao 18(2):167-71, 1/2002. PMID: 12148277.
2. Ge XC, **Chen JC**, Lin Y, Sun CR, Cao KM. [Expression, purification and function of rice nonspecific lipid transfer protein]. Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao (Shanghai) 34(1):83-7, 1/2002. PMID: 11958141.
3. Ge XC, Zong H, **Chen JC**, Cao KM, Sun CR. Isolation of a rice gene homologous to the human putative tumor suppressor gene QM. Chinese Rice Research Newsletter 10:2-3, 2002.
4. Ge X, **Chen J**, Sun C, Cao K. Preliminary study on the structural basis of the antifungal activity of a rice lipid transfer protein. Protein Eng 16(6):387-90, 6/2003. PMID: 12874370.
5. Ge X, **Chen J**, Li N, Lin Y, Sun C, Cao K. Resistance function of rice lipid transfer protein LTP110. J Biochem Mol Biol 36(6):603-7, 11/2003. PMID: 14659081.
6. Rattner A, **Chen J**, Nathans J. Proteolytic shedding of the extracellular domain of photoreceptor cadherin. Implications for outer segment assembly. J Biol Chem 279(40):42202-10, 10/2004. e-Pub 7/2004. PMID: 15284225.
7. **Chen J**, Rattner A, Nathans J. The rod photoreceptor-specific nuclear receptor Nr2e3 represses transcription of multiple cone-specific genes. J Neurosci 25(1):118-29, 1/2005. PMID: 15634773.
8. **Chen J**, Rattner A, Nathans J. Effects of L1 retrotransposon insertion on transcript processing, localization and accumulation: lessons from the retinal degeneration 7 mouse and implications for the genomic ecology of L1 elements. Hum Mol Genet 15(13):2146-56, 7/2006. e-Pub 5/2006. PMID: 16723373.
9. **Chen J**, Nathans J. Genetic ablation of cone photoreceptors eliminates retinal folds in the retinal degeneration 7 (rd7) mouse. Invest Ophthalmol Vis Sci 48(6):2799-805, 6/2007. PMID: 17525215.
10. **Chen J**, Nathans J. Estrogen-related receptor beta/NR3B2 controls epithelial cell fate and endolymph production by the stria vascularis. Dev Cell 13(3):325-37, 9/2007. PMID: 17765677.
11. Yarrington RM, **Chen J**, Bolton EC, Boeke JD. Mn2+ suppressor mutations and biochemical communication between Ty1 reverse transcriptase and RNase H domains. J Virol 81(17):9004-12, 9/2007. e-Pub 5/2007. PMCID: PMC1951463.
12. Onishi A, Peng GH, Poth EM, Lee DA, **Chen J**, Alexis U, de Melo J, Chen S, Blackshaw S. The orphan nuclear hormone receptor ERRbeta controls rod photoreceptor survival. Proc Natl Acad Sci U S A 107(25):11579-84, 6/2010. e-Pub 6/2010. PMCID: PMC2895124.
13. **Chen J**, Krasnow MA. Integrin Beta 1 suppresses multilayering of a simple epithelium. PLoS One 7(12):e52886, 12/2012. PMCID: PMC3528644.
14. Chang DR, Martinez Alanis D, Miller RK, Ji H, Akiyama H, McCrea PD, **Chen J**. Lung epithelial branching program antagonizes alveolar differentiation (**cover article**). Proc Natl Acad Sci U S A. e-Pub 9/2013. PMID: 24058167. http://www.pnas.org/content/110/45.cover-expansion
15. Yang J, **Chen J**. Developmental programs of lung epithelial progenitors: a balanced progenitor model. Wiley Interdiscip Rev Dev Biol 3(5):331-47, 9/2014. e-Pub 6/2014. PMCID: PMC4135449.
16. Alanis DM, Chang DR, Akiyama H, Krasnow MA, **Chen J**. Two nested developmental waves demarcate a compartment boundary in the mouse lung. Nat Commun 5:3923, 2014. e-Pub 5/2014. PMID: 24879355.
17. Peng H, Tang J, Xiao H, Bria A, Zhou J, Butler V, Zhou Z, Gonzalez-Bellido PT, Oh SW, **Chen J**, Mitra A, Tsien RW, Zeng H, Ascoli GA, Iannello G, Hawrylycz M, Myers E, Long F. Virtual finger boosts three-dimensional imaging and microsurgery as well as terabyte volume image visualization and analysis. Nat Commun 5:4342, 2014. e-Pub 7/2014. PMCID: PMC4104457.

18. Ren B, Azzegagh Z, Jaramillo AM, Zhu Y, Pardo-Saganta A, Bagirzadeh R, Flores JR, Han W, Tang YJ, Tu J, Alanis DM, Evans CM, Guindani M, Roche PA, Rajagopal J, **Chen J**, Davis CW, Tuvim MJ, Dickey BF. SNAP23 is selectively expressed in airway secretory cells and mediates baseline and stimulated mucin secretion. Biosci Rep 35(3), 2015. e-Pub 4/2015. PMID: 26182382.
19. Yang J, Hernandez BJ, Martinez Alanis D, Narvaez Del Pilar O, Vila-Ellis L, Akiyama H, Evans SE, Ostrin EJ, **Chen J**. Development and plasticity of alveolar type 1 cells (**cover article**). Development 143(1):54-65, 1/2016. PMID: 26586225. http://dev.biologists.org/content/143/1.cover-expansion
20. Cho MS, Rupaimoole R, Choi HJ, Noh K, **Chen J**, Hu Q, Sood AK, Afshar-Kharghan V. Complement component 3 Is regulated by TWIST1 and mediates epithelial-mesenchymal transition. J Immunol 196(3):1412-8, 2/2016. PMID: 26718342.
21. **Chen J**. Origin and regulation of a lung repair kit. Nat Cell Biol 19(8):885-886, 7/2017. PMID: 28752852.
22. Khosravi N, Caetano MS, Cumpian AM, Unver N, Garza CD, Noble O, Dalri S, Hernandez BJ, Evans SE, Hanash S, Alekseev A, Chang SH, Nurieva R, Kadara H, **Chen J**, Ostrin EJ, Moghaddam SJ. IL-22 Promotes K-ras Mutant Lung Cancer by Induction of a Pro-Tumor Immune Response and Protection of Stemness Properties. Cancer Immunology Research 05/2018, PMID: 29764837
23. Ostrin EJ, Little DR, Gerner-Mauro KN, Sumner EA, Ríos-Corzo R, Ambrosio E, Holt SE, Forcioli-Conti NR, Akiyama H, Hanash SM, Kimura S, Huang SXL, **Chen J**. Beta-Catenin maintains lung epithelial progenitors after lung specification (**cover article**). Development 145(5), 3/2018, PMID: 29440304. http://dev.biologists.org/content/145/5.cover-expansion
24. Little DR, Gerner-Mauro KN, Flodby P, Crandall ED, Borok Z, Akiyama H, Kimura S, Ostrin EJ, **Chen J**. (2019) Transcriptional control of lung alveolar type 1 cell development and maintenance by NK homeobox 2-1. **Cover article** Proc Natl Acad Sci U S A. PMID: 31548395. https://www.pnas.org/content/116/41.cover-expansion
25. Vila Ellis L, Cain MP, Hutchison V, Flodby P, Crandall ED, Borok Z, Zhou B, Ostrin EJ, Wythe JD, **Chen J**. (2020) Epithelial Vegfa specifies a distinct endothelial population in the mouse lung. Developmental Cell 52(5). PMID: 32059772.
26. Goldblatt DL, Valverde G, Flores JR, Hernandez BJ, **Chen J**, Evans SE, Tuvim MJ, Dickey BF. Inducible epithelial resistance against acute Sendai virus infection prevents chronic asthma-like lung disease in mice British Journal of Pharmacology, e-Pub 1/2020. PMID: 31968123.
27. Alam H, Tang M, Maitituoheti M, Dhar SS, Kumar M, Han CY, Ambati CR, Amin SB, Gu B, Chen TY, Lin YH, **Chen J**, Muller FL, Putluri N, Flores ER, DeMayo FJ, Baseler L, Rai K, Lee MG. (2020) KMT2D Deficiency Impairs Super-Enhancers to Confer a Glycolytic Vulnerability in Lung Cancer. Cancer Cell 37(4). PMID: 32243837.
28. Gerner-Mauro KN, Akiyama H, **Chen J.** (2020) Redundant and additive functions of the four LEF/TCF transcription factors in lung epithelial progenitors Proc Natl Acad Sci U S A 117(22):12182-12191. PMID: 32414917.
29. Cain MP, Hernandez BJ, **Chen J.** (2020) Quantitative single-cell interactomes in normal and virus-infected mouse lungs. Dis Model Mech 13(6):dmm044404. PMID: 32461220.
30. Vila Ellis L, **Chen J.** (2020) A cell-centric view of lung alveologenesis. Dev Dyn 250(4):482-496. PMID: 33169483.
31. Han G, Sinjab A, Hara K, Treekitkarnmongkol W, Brennan P, Chang K, Bogatenkova E, Sanchez-Espiridion B, Behrens C, Solis LM, Gao B, Girard L, Zhang J, Sepesi B, Cascone T, Byers LA, Gibbons DL, **Chen J**, Moghaddam SJ, Ostrin EJ, Scheet P, Fujimoto J, Shay J, Heymach JV, Minna JD, Dubinett S, Wistuba II, Stevenson CS, Spira AE, Wang L, Kadara H. (2021) Single-Cell Expression Landscape of SARS-CoV-2 Receptor ACE2 and Host Proteases in Normal and Malignant Lung Tissues from Pulmonary Adenocarcinoma Patients. Cancers (Basel) Mar 12;13(6):1250. PMID: 33809063.
32. Little DR, Lynch AM, Yan Y, Akiyama H, Kimura S, **Chen J**. (2021) Differential chromatin binding of the lung lineage transcription factor NKX2-1 resolves opposing murine alveolar cell fates in vivo. Nat Commun. May 4, 12(1):2509. PMID: 33947861.
33. Sinjab A, Han G, Treekitkarnmongkol W, Hara K, Brennan PM, Dang M, Hao D, Wang R, Dai E, Dejima H, Zhang J, Bogatenkova E, Sanchez-Espiridion B, Chang K, Little DR, Bazzi S, Tran LM,

Krysan K, Behrens C, Duose DY, Parra ER, Raso MG, Solis LM, Fukuoka J, Zhang J, Sepesi B, Cascone T, Byers LA, Gibbons DL, **Chen J**, Moghaddam SJ, Ostrin EJ, Rosen D, Heymach JV, Scheet P, Dubinett SM, Fujimoto J, Wistuba II, Stevenson CS, Spira A, Wang L, Kadara H. (2021) Resolving the spatial and cellular architecture of lung adenocarcinoma by multiregion single-cell sequencing. Cancer Discov. May 10, 2021. PMID: 33972311.

34. Narvaez Del Pilar O, Gacha-Garay MJ, **Chen J**. (2022) Three-axis classification of mouse lung mesenchymal cells reveals two populations of myofibroblasts. Development 149(6). PMID: 35302583
35. Hernandez BJ, Cain MP, Lynch AM, Flores JR, Tuvim MJ, Dickey BF, **Chen J**. (2022) Intermediary role of lung alveolar type 1 cells in epithelial repair upon Sendai virus infection. Am J Respir Cell Mol Biol. Jun 9. doi: 10.1165/rcmb.2021-0421OC. PMID: 35679221
36. Dickey BF, **Chen J**, Peebles RS (2022) Airway Mucus Dysfunction in COVID-19. Am J Respir Crit Care Med. Jul 13. doi: 10.1164/rccm.202207-1306ED. PMID: 35830305
37. Corkins ME, Achieng M, DeLay BD, Krneta-Stankic V, Cain MP, Walker BL, **Chen J**, Lindstrom NO, Miller RK. (2022) A comparative study of cellular diversity between the Xenopus pronephric and mouse metanephric nephron. Kidney International (accepted)

Book Chapters

1. **Chen J**. The regulation of branching morphogenesis in the developing lung. In: Stem Cells in the Lung – Development, Repair and Regeneration. Springer Monograph, 2015.
2. Vila Ellis L, Kong CSL, **Chen J**. Endothelial cells in the lung. In: Lung Stem Cells in Development, Health and Disease. European Respiratory Society Monograph, 2021

EDITORIAL AND REVIEW ACTIVITIES

Journal Reviewer/Editor

Journal Reviewer, Human Molecular Genetics, 2008−present

Journal Reviewer, Developmental Biology, 2012−present

Journal Reviewer, Journal of Biological Chemistry, 2012−present

Journal Reviewer, P.N.A.S., 2012−present

Journal Reviewer, Cell Reports, 2013−present

Journal Reviewer, Endocrinology, 2013−present

Journal Reviewer, Journal of Experimental Medicine, 2013−present

Journal Reviewer, New Journal of Physics, 2013−present

Journal Reviewer, The European Physical Journal E, 2013−present

Journal Reviewer, Nature Cell Biology, 2014−present

Journal Reviewer, The Journal of Cell Biology, 2014−present

Journal Reviewer, American Journal of Respiratory Cell and Molecular Biology, 2015−present

Journal Reviewer, AJP-Lung Cellular and Molecular Physiology, 2016−present

Journal Reviewer, BMC Genomics, 2016−present

Journal Reviewer, Scientific Reports, 2016−present

Journal Reviewer, Nature Communications, 2016−present

Journal Reviewer, eLife, 2017−present

Journal Reviewer, Nature, 2017−present

Journal Reviewer, Development, 2017−present

Journal Reviewer, Journal of Molecular Histology, 2018−present

Journal Reviewer, Journal of Cell Science, 2018−present

Journal Reviewer, Stem Cells, 2018−present

Journal Reviewer, Oncogene, 2018−present

Journal Reviewer, PLoS One, 2018−present

Journal Reviewer, Developmental Cell, 2018−present

Journal Guest Associate Editor, PLoS Genetics, 2018, 2021

Journal Reviewer, Disease Models and Mechanisms, 2019−present

Journal Reviewer, The Journal of Clinical Investigation, 2019−present

Journal Reviewer, iScience, 2019−present

Journal Reviewer, Cell Discovery, 2019−present

Journal Reviewer, WIREs Developmental Biology, 2019−present

Journal Reviewer, Communications Biology, 2020−present

Journal Reviewer, European Respiratory Journal, 2020−present

Journal Reviewer, Journal of Molecular Medicine, 2020−present

Journal Reviewer, Cell Stem Cell, 2020−present

Journal Reviewer, Nature Medicine, 2020−present

Journal Reviewer, Nature Cancer, 2021−present

Journal Reviewer, Science Advances, 2021−present

Journal Reviewer, Cell, 2022−present

Journal Editor, Frontiers in Physiology, 2022-present

TEACHING

Teaching Within Current Institution - The University of Texas MD Anderson Cancer Center

Formal Teaching

Courses Taught

Lecturer, Developmental Biology, Course Number: 20121GS040073-100, Course Hours: 3
Spring, 1/2012−4/2012

Lecturer, Fundamental Mechanisms of Cancer Development, Course Number: 2123GS041223-100, Course Hours: 3
Fall, 8/2012−12/2012

Lecturer, Developmental Biology, Course Number: 2131GS041073-100, Course Hours: 3
Spring, 1/2013−4/2013

Lecturer, Fundamental Mechanisms of Cancer Development, Course Number: 2133GS041223-100, Course Hours: 3
Fall, 9/2013−12/2013

Co-Director, Topics in Genes & Development, Course Number: 2141GS041801-100, Course Hours: 13
Spring, 1/2014−4/2014

Lecturer, Foundations of Biomedical Research, Course Number: GS21 1017, Course Hours: 1
Fall, 9/2014−12/2014

Co-director, Current Topics in Genes & Development, Course Number: 2151GS041801-100, Course Hours: 13
Spring, 1/2015−4/2015

Lecturer, Fundamental Mechanisms of Cancer Development, Course Number: 2143GS041223-100, Course Hours: 2
Spring, 1/2015−4/2015

Lecturer, Human Pathobiology, Course Hours: 1
Spring, 1/2015−4/2015

Lecturer, Developmental Biology, Course Number: 2151GS041074-100, Course Hours: 3
Spring, 1/2015−5/2015

Lecturer, Foundations of Biomedical Research, Course Number: GS21 1017, Course Hours: 1
Fall, 9/2015−12/2015

Co-director, Current Topics in Genes & Development, Course Number: 2161GS041801-100, Course Hours: 13
Spring, 1/2016−4/2016

Lecturer, Fund Mechanisms of Cancer Development, Course Number: 2153GS041223-100, Course Hours: 2
Spring, 1/2016−4/2016

Lecturer, Human Pathobiology, Course Hours: 1
Spring, 1/2016−4/2016

Lecturer, Foundations of Biomedical Research, Course Number: GS21 1017, Course Hours: 1
Fall, 9/2016−12/2016

Co-director, Current Topics in Genes & Development, Course Number: 2171GS041801-100, Course Hours: 13
Spring, 1/2017−4/2017

Co-director, Fund Mechanisms of Cancer Development, Course Number: 2153GS041223-100, Course Hours: 7
Spring, 1/2017−4/2017

Lecturer, Foundations of Biomedical Research, Course Number: GS21 1017, Course Hours: 1
Fall, 9/2017−12/2017

Co-director, Current Topics in Genes & Development, Course Number: 2181GS041801-100, Course Hours: 13
Spring, 1/2018−4/2018

Co-director, Fund Mechanisms of Cancer Development, Course Number: 2153GS041223-100, Course Hours: 5
Fall, 8/2018−12/2018

Lecturer, Foundations of Biomedical Research, Course Number: GS21 1018, Course Hours: 12
Fall, 11/2018−11/2018

Co-director, G&E Oral Scientific Presentations, Course Number: 2181GS041801-100, Course Hours: 13
Spring, 1/2019−4/2019

Lecturer, Developmental Biology, Course Number: GS04 1073, Course Hours: 1
Fall, 9/2019−9/2019

Lecturer, Foundations of Biomedical Research, Course Number: GS21 1017, Course Hours: 12
Fall, 11/2019−11/2019

Director, G&E Oral Scientific Presentations, Course Number: 2181GS041801-100, Course Hours: 13
Spring, 1/2020−4/2020

Lecturer, Principles of Genetics and Epigenetics, Course Number: GS04 1253, Course Hours: 4
Spring, 3/2020−3/2020

Director, Pragmatic Bioinformatics for Bench Scientists, Course Number: GS04 1781, Course Hours: 24
Summer, 7/2020−8/2020

Director, G&E Oral Scientific Presentations, Course Number: 2181GS041801-100, Course Hours: 13
Spring, 1/2021−4/2021

Lecturer, Principles of Stem Cell Biology, Course Number: GS04 1072, Course Hours: 1
Spring, 3/2021−3/2021

Director, Pragmatic Bioinformatics for Bench Scientists, Course Number: GS04 1781, Course Hours: 20
Summer, 6/2021−7/2021

Lecturer, Foundations of Biomedical Research, Course Number: GS21 1017, Course Hours: 12
Fall, 11/2021−12/2021

Director, G&E Oral Scientific Presentations, Course Number: 2181GS041801-100, Course Hours: 13
Spring, 1/2022−4/2022

Lecturer, Principles of Stem Cell Biology, Course Number: GS04 1072, Course Hours: 1
Spring, 3/2022−3/2022

Director, Pragmatic Bioinformatics for Bench Scientists, Course Number: GS04 1781, Course Hours: 10
Summer, 5/2022−8/2022

Other Formal Teaching

Lecturer, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Course Hours: 1
6/2011−8/2011

Lecturer, St. John's School Biology AP (Seeing is believing: Imaging in Biomedical Research), Course Hours: 1
2/2012

Lecturer, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Course Hours: 1
Summer, 6/2012−8/2012

Rotation talk faculty organizer, Genes and Development Program
8/2012−5/2013

Lecturer, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Course Hours: 1
6/2013−8/2013

Rotation talk faculty organizer, Genes and Development Program
9/2013−6/2014

Lecturer, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Course Hours: 1
6/2014−8/2014

Lecturer, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Course Hours: 2
6/2015−8/2015

Lecturer, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Course Hours: 1
6/2017−8/2017

Lecturer, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Course Hours: 1
6/2018−8/2018

Lecturer, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Course Hours: 1
6/2019−8/2019

Supervisory Teaching

Committees

Advisory Committees

Committee member, MS advisory committee, MDACC Bioinformatics, Han Chen, MS, 6/2012−8/2013

Committee Chair, GSBS Master's Program, Belinda Hernandez, MS, 10/2012−5/2015

Committee member, Genes and Development program, Kenneth Trimmer, PhD, 9/2013−2019

Committee Chair, Genes and Development program, Danielle R Little, PhD, 6/2015−12/2020

Committee Chair, Genetics and Epigenetics program, Odemaris Narvaez del Pilar, PhD, 1/2017−7/2021

Committee Chair, Cancer Biology program, Margo P Cain, PhD, 10/2017−5/2020

Committee Chair, Baylor College of Medicine Developmental Biology program, Vera Hutchison, PhD, 3/2018−present

Committee Chair, Baylor College of Medicine Developmental Biology program, Anne Lynch, PhD, 3/2019−present

Committee Chair, Baylor College of Medicine DDMT program, Kamryn N Gerner-Mauro, PhD, 5/2021−present

MD/PhD program, Sarah Jiaxi Wu, MD/PHD, 8/2015−2019

Committee member, Cancer Biology program, Seul A Shin, PhD, 8/2015−12/2020

Committee member, Cancer Biology program, Aparna Padhye, 9/2015−present

Committee member, Experimental Therapeutics program, Elizabeth Sumner, MS, 10/2015−5/2016

Committee member, Cancer Biology Program, Xingtong Liu, PhD, 8/2016−2018

Committee member, Cancer Biology Program, Fatma Yasar, PhD, 10/2016−present

Committee member, Quantitative Sciences Program, Yun Yan, PhD, 10/2019−present

Committee member, Immunology Program, Vikram Kulkarni, PhD, 10/2019−present

Committee Chair, Genetics and Epigenetics program, Celine Kong, PhD, 6/2020−present

Committee Chair, Genetics and Epigenetics program, Dalia Hassan, PhD, 6/2020−present

Committee member, Genetics and Epigenetics Program, Raisa Alexandra Reyes Castro, PhD, 10/2020−present

Committee member, Genetics and Epigenetics Program, Ruoyu Wang, PhD, 12/2020−present

Committee member, Genetics and Epigenetics Program, Chang Sun, PhD, 2/2021−present

Committee member, Quantitative Science Program, Yuanxin Wang, PhD, 2/2021−present

Committee member, Baylor College of Medicine DDMT Program, Ziyue Yang, PhD, 2/2021−present

Committee member, Cancer Biology Program, Wayne Yingda Jiang, PhD, 12/2021−present

Committee Chair, Genetics and Epigenetics program, Maria Jose Gacha Garay, PhD, 6/2021−present

Committee Chair, Baylor College of Medicine DDMT Program, Kamryn Gerner-Mauro, PhD, 6/2021−present

Committee Chair, Genetics and Epigenetics program, Richa Nayak, PhD, 5/2022−present

Committee member, Biochemistry and Cell Biology Program, Brianne Wharton, MS, 6/2022−present

Committee member, Genetics and Epigenetics Program, Erin Simpson, MS, 6/2022−present

Supervisory Committees

Committee member, Supervisory committee, Nancy Azizian, PhD, 4/2012−4/2013

Candidacy Exam Committees

Committee member, UPR-MDACC MD-PhD program, Alejandro Villar-Prados

Committee member, Genes and Development PhD program, Esmeralda Ramirez-Pena

Committee member, Genes and Development PhD program, Kenneth Andrew Trimmer

Committee member, Genes and Development PhD program, Marco Leung

Committee member, Immunology PhD Program, Vikram Kulkarni

Committee Chair, Genetics and Epigenetics PhD Program, Raisa Alexandra Reyes Castro

Committee Chair, Genetics and Epigenetics PhD Program, Hanghui Ye

Committee member, Quantitative Science PhD Program, Yiyun Lin

Committee Chair, Genetics and Epigenetics PhD Program, Mabel Pérez-Oquendo

Committee member, Genetics and Epigenetics PhD Program, Sreepradha Sridharan

Committee Chair, Genetics and Epigenetics PhD Program, Jie Ye

Committee member, Baylor College of Medicine DDMT Program, Ziyue Yang

Committee member, Quantitative Science PhD Program, Yuanxin Wang

Committee member, Quantitative Science PhD Program, Pujun Guan

Direct Supervision

Undergraduate and Allied Health Students

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Elizabeth Mayela Ambrosio Galindo, 6/2011−8/2011

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Ricardo Ríos Corzo, 6/2011−8/2011

Research Mentor, Denise Martinez Alanis, 6/2011−2/2012

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Lisandra Vila Sanchez del Campo, 6/2012−8/2012

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Rodolfo Andres Cadenas Trejo, 6/2013−8/2013

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Rodolfo Andres Cadenas Trejo, 6/2014−8/2014

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, María Emilia Issa Villarreal, 6/2015−8/2015

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Andres Tame Elorduy, 6/2016−8/2016

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Diego Alberto Marín Esparza, 6/2017−8/2017

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Ivana Ling Villanueva Chou, 6/2019−8/2019

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Andrés M. Gutiérrez, 6/2021−8/2021

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Summer Research Program, Andres Mauricio Gutierrez Gamez, 12/2021−2/2022

Medical Students

Research Mentor, U54 Summer Research Program, Odemaris Narvaez Del Pilar, 6/2014−8/2014

Research Mentor, Tecnológico de Monterrey School of Medicine and M. D. Anderson Cancer Center Research Intern Program, Lisandra Vila Sanchez del Campo, 4/2015−3/2016

Graduate Students

Rotation Research Mentor, Kenneth Trimmer, PhD (GSBS), 8/2012−11/2012

Committee Chair, GSBS Master's program, Belinda Hernandez, 8/2012−5/2015

Rotation Research Mentor, UT-GSBS, Erin K. Best, 5/2014−8/2014

Rotation Research Mentor, Elizabeth Sumner, 9/2014−11/2014

Committee Chair, Genes and Development, Danielle R Little, PhD, 6/2015−12/2020

Committee Chair, Cancer Biology, Margo Cain, PhD, 10/2017−5/2020

Committee Chair, Genetics and Epigenetics, Odemaris Narvaez del Pilar, PhD, 1/2017−7/2021

Rotation Research Mentor, Yun Yan, GSBS PhD Program, 4/2019−6/2019

Committee Chair, Baylor College of Medicine Developmental Biology program, PhD, Vera Hutchison, 3/2019−present

Committee Chair, Baylor College of Medicine Developmental Biology program, PhD, Anne Lynch, 3/2019−present

Committee Chair, Genetics and Epigenetics, Celine Kong, PhD, 6/2020−present

Committee Chair, Genetics and Epigenetics, Dalia Hassan, PhD, 6/2020−present

Rotation Research Mentor, Kamryn N Gerner-Mauro, Baylor DDMT Program, 1/2021−3/2021

Rotation Research Mentor, Maria Jose Gacha Garay, GSBS PhD Program, 5/2021−7/2021

Rotation Research Mentor, Richa Nayak, GSBS PhD Program, 1/2022−3/2022

Postdoctoral Research Fellows

Research Mentor, Jun Yang, PhD, 7/2014−7/2017

Research Mentor, Lisandra Vila Sanchez del Campo, MD, 3/2016−present

Research Mentor, Margo Cain, PhD, 6/2020−6/2021

Research Mentor, Vanja Krneta-Stankic, PhD, 10/2021−present

Clinical Residents and Fellows

N/A

Other Supervisory Teaching

Research Mentor, Eleni Demeris, High school student, 6/2011−8/2011

Research Mentor, Jaqueline Dickey, High school student, 6/2011−8/2012

Research Mentor, Daniel R. Chang, Research Assistant I, 10/2011−6/2013

Research Mentor, Denise Martinez Alanis, Research Assistant I, 2/2012−07/2014

Research Mentor, Erin K. Best, Research Assistant I, 7/2013−5/2014

Research Mentor, Belinda J Hernandez, Research Assistant II, 5/2015−07/2017

Research Mentor, Kamryn N Gerner-Mauro, Research Assistant I, 6/2017−7/2020

Research Mentor, Yun Liu, High school student, 6/2018−8/2018

Teaching Outside of Current Institution

Supervisory Teaching

Committees

Advisory Committees

Committee member, Texas A&M IBT, Minjung Lee, PhD, 6/2016−present

Committee member, UT Health Institute of Molecular Medicine, Varada Anirudhan, MS, 3/2017−2019

Committee member, UT Health Institute of Molecular Medicine, Oanh Ngoc Hoang, MS, 12/2018−12/2020

Other Supervisory Teaching

Research Mentor, Stanford University, Anshul Rana, Graduate student rotation, 1/2010−4/2010

Other Formal Teaching

Faculty coordinator, Baylor College of Medicine, Developmental Biology Program Journal Club, Course Hours: 2, 2018

Faculty coordinator, Baylor College of Medicine, Developmental Biology Program Journal Club, Course Hours: 2, 2019

Lecturer, Baylor College of Medicine, MD/PhD Program Biomedical Sciences Research Seminar, Course Hours: 1, 9/2019

Lecturer, Baylor College of Medicine, MD/PhD Program Biomedical Sciences Research Seminar, Course Hours: 1, 10/2020

CONFERENCES AND SYMPOSIA

Presentations at National or International Conferences

Invited

Sox-dependent Kras signaling network in lung development and cancer, Keystone Symposia, Taos, NM, 2/6/2013

Imaging Embryonic Lung Morphogenesis, KOMP2/IMPC Consortium, Galveston, TX, 5/6/2013

Making, shaping and transforming tubes in the mouse lung, 2nd International Meeting for Epithelial Tubulology, Sapporo, Japan, 8/23/2015

What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, the Lung Repair and Regeneration Consortium, Washington, DC, 9/15/2016

A Hierarchical Gene Regulatory Network Controlling SOX9 Epithelial Progenitors, Gordon Research Conference Lung Development, Injury & Repair, New London, NH, 8/21/2017

What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, Gordon Research Conference Lung Development, Injury & Repair, Lewiston, ME, 8/2019

Roles for AT1 cells in lung generation and regeneration, ATS virtual conference, 8/2020

Epithelial Vegfa specifies a distinct endothelial population in the mouse lung, the North American Vascular Biology Organization (NAVBO), 10/2020

Regulation and signaling of the lung alveolar type 1 cell, The Chinese-American Lung Association Seminar Series, 7/23/2021

A tale of two cell types: epithelial Vegfa specifies Car4 endothelial cells in the mouse lung, NHLBI “Understanding Lung Cell Homeostasis and Pathways to Reverse Lung Cell Remodeling” Workshop, 10/21/2021

Roles of AT1 cells during alveologenesis and viral infection, the 2nd Epithelial Mesenchymal Interactions in Lung Development and Fibrosis Fusion conference, 5/2022 (invitation received; not attended due to COVID)

Roles of AT1 cells during alveologenesis and viral infection, FASEB The Lung Epithelium Conference: In Health and Disease, 8/8/2022

Other, Including Scientific Exhibitions

Two Nested Waves of Airway Development Demarcate a Compartment Boundary in the Mouse Lung, Gordon Research Conference Lung Development, Injury & Repair, Andover, NH, 8/2013

Developmental Control of Branch Diameter and Tapering in the Bronchial Tree, FASEB, Saxtons River, VT, 8/2014

Seminar Invitations from Other Institutions

Gene regulation by nuclear receptors in the eye and the ear, Carnegie Institute of Washington, Embryology, Baltimore, MD, 11/2006

Dissecting epithelial tube size control mechanisms and design principles of the lung, Vanderbilt University, Nashiville, TN, 4/2010

Integrating lung progenitor cell behavior and the design principles of the bronchial tree, Massachusetts General Hospital, Center for Regenerative Medicine, Boston, MA, 6/2010

A two-wave model of bronchioalveolar duct junction formation: implications for premature birth, Texas Children's Hospital, Pediatrics, Houston, TX, 3/6/2012

Design principle of the lung: temporal encoding of spatial patterns, Columbia University, New York City, NY, 9/2013

Design principle of the lung: temporal encoding of spatial patterns, The University of Texas Health Science Center at Houston, Department of Pediatrics, Houston, TX, 11/15/2013

Forming and transforming the respiratory tree, Texas Children's Hospital, Pulmonary Medicine, Houston, TX, 1/6/2015

Forming and transforming the respiratory tree, Columbia Center for Human Development, New York City, NY, 3/17/2015

Making, shaping and transforming tubes in the mouse lung, The Riken Center for Developmental Biology, Laboratory for Lung Development, Kobe, Japan, 8/25/2015

Forming and transforming tubes in the mouse lung, National Institute of Building Sciences, Beijing, China, 8/28/2015

Forming and transforming tubes in the mouse lung, Basic Medical College of Fudan University, Biochemistry and Molecular Biology, Shanghai, 8/31/2015

Forming and transforming tubes in the mouse lung, Fudan University, Biochemistry, Shanghai, China, 9/1/2015

What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, Columbia Center for Human Development, New York City, NY, 3/16/2016

What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, Baylor College of Medicine, Molecular Physiology and Biophysics, Houston, TX, 9/20/2016

Forming and transforming tubes in the mouse lung, Saint Edward's University, Austin, TX, 11/16/2016

What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, Icahn School of Medicine at Mount Sinai, Pulmonary, Critical Care and Sleep Medicine, New York City, NY, 7/7/2017

Constructing single cell interactomes in normal and diseased lungs, Icahn School of Medicine at Mount Sinai, Pulmonary, Critical Care and Sleep Medicine, New York City, NY, 12/13/2017

What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, The George Washington University, Anatomy and Regenerative Biology, Washington, DC, 2/12/2018

What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, University of Southern California, Pulmonary, Critical Care and Sleep Medicine, Los Angeles, CA, 6/8/2018

What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, University of Pennsylvania, Penn Center for Pulmonary Biology, Philadelphia, PA, 9/6/2018

What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, Northwestern University School of Medicine, Division of Pulmonary & Critical Care Medicine, Chicago, IL, 1/7/2019

TBD, UT Southwestern Medical Center, Department of Molecular Biology, Dallas, TX, 4/8/2020 (invitation received; postponed due to COVID-19)

Single cell analysis of natural viral infection in the mouse lung, Houston Methodist, Department of Pulmonary & Critical Care Medicine, Houston, TX, 6/17/2021

Regulation and signaling of the lung alveolar type 1 cell, Cincinnati Children’s Hospital, Department of Pediatrics, Cincinnati, OH, 11/18/2021

Transcriptional and epigenetic mechanisms of lung cell fate determination, Cincinnati Children’s Hospital, Division of Developmental Biology, Cincinnati, OH, 3/2/2022

Transcriptional and epigenetic mechanisms of lung cell fate determination, University at Buffalo, Department of Oral Biology, East Amherst, NY, 3/14/2022

Intercellular signaling and transcriptional control in the lung – following the lead of AT1 cells, McGill University, Meakins-Christie Laboratories, Montreal, Quebec, Canada, 7/4/2022

Intercellular signaling, transcriptional control and evolution of the lung, Duke University, Program in Genetics and Genomics, Durham, NC, 9/13/2022

Other Presentations at State and Local Conferences

Pulmonary Medicine Departmental Seminar, Lung development in 3D: bi-phasic regulation of airway branch size, UT-MDACC, Pulmonary Medicine, Houston, TX, 3/23/2011

Signal Transduction Meeting, Lung development in 3D: bi-phasic regulation of airway branch size, UT-MDACC, Houston, TX, 6/13/2011

Information Exchange Seminar Series, Lung development in 3D: bi-phasic regulation of airway branch size, UT-MDACC, Genetics, Houston, TX, 9/12/2011

Pulmonary Medicine Departmental Seminar, A two-wave model of bronchioalveolar duct junction formation: implications for premature birth, UT-MDACC, Pulmonary Medicine, Houston, TX, 1/9/2012

Pulmonary Medicine Departmental Seminar, Design principles of the lung: what do frogs and we have in common?, UT-MDACC, Houston, TX, 11/12/2012

MDACC Genes and Development Graduate Program Retreat, Two Waves of Airway Development Demarcate a Compartment Boundary in the Mouse Lung, UT-MDACC, New Braunfels, TX, 2/27/2013

Signal Transduction Meeting, Structural and signaling roles of alveolar type 1 cells, UT-MDACC, Houston, TX, 5/2015

Signal Transduction Meeting, What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, UT-MDACC, Houston, TX, 4/22/2016

Division of Internal Medicine Retreat, What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, UT-MDACC, Houston, TX, 4/29/2016

MDACC Developmental Genetics Floor Meeting, A hierarchical gene regulatory network controlling SOX9 epithelial progenitors, UT-MDACC, Houston, TX, 9/15/2017

Developmental Biology Graduate Program Retreat, Visualize and dissect the complexity of lung development, Baylor College of Medicine, Houston, TX, 2/2/2018

MDACC Immunotherapy toxicity retreat, Toxicities from a Developmental Biologist's Perspective, UT-MDACC, Houston, TX, 4/7/2018

Texas Single Cell (TXSC) workshop, Signaling roles of the lung alveolar type 1 cell: applications of single cell RNA-seq, UT-MDACC, Houston, TX, 5/4/2018

Pulmonary Medicine Departmental Seminar, What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, UT-MDACC, Pulmonary Medicine, Houston, TX, 6/1/2018

Society of Chinese Bioscientists in America (Texas) seminar series, What an ultrathin cell can do: structural and signaling roles of the lung alveolar type 1 cell, Houston, TX, 11/22/2019

Pulmonary Medicine Departmental Seminar, Single cell analysis of natural viral infection in the mouse lung, UT-MDACC, Pulmonary Medicine, Houston, TX, 5/5/2021

Division of Internal Medicine Research Grand Rounds, 1 or 2: a tale of binary cell fate choice, UT-MDACC, Houston, TX, 11/17/2021

DATE OF LAST CV UPDATE

08/03/2022

GSBS Educational Activities

Faculty Name: Dr. Jichao Chen

This report covers a variety of formal activities tracked by the GSBS but is not intended to represent all graduate education activities of the faculty member. For example, informal mentoring efforts and activities that take place within specific GSBS graduate programs, non-GSBS programs, or academic departments are usually not included. When providing the report to others, faculty are encouraged to describe such activities in an attached Curriculum Vitae and/or Educational Statement.

Institution/Department: MDACC/Pulmonary Medicine

Member Since: 8/1/2011 **Last Review:** 10/1/2021 **Next Review:** 8/1/2026 **Member Type:** Regular

Courses Taught

Term	Lecture Hours	Title	Course Number	Role
2022 Summer	10	Pragmatic Bioinformatics for Bench Scientists	GS04 1781	Director
2022 Spring	13	Current Topics In Genes & Development	GS04 1801	Director
2022 Spring	1	Principles of Stem Cell Biology	GS04 1072	Instructor
2021 Fall	12	Foundations of Biomedical Research	GS21 1017	Instructor
2021 Summer	20	Pragmatic Bioinformatics for Bench Scientists	GS04 1781	Director
2021 Spring	14	G & E Oral Scientific Presentations	GS04 1821	Director
2021 Spring	1	Principles of Stem Cell Biology	GS04 1072	Instructor
2020 Summer	24	Pragmatic Bioinformatics for Bench Scientists	GS04 1781	Director
2020 Spring	14	G & E Oral Scientific Presentations	GS04 1821	Director
2020 Spring	4	Principles of Genetics and Epigenetics	GS04 1253	Instructor
2019 Fall	1.5	Foundations of Biomedical Research	GS21 1017	Instructor
2019 Fall	12	Foundations of Biomedical Research	GS21 1017	Instructor
2019 Spring	10	G & E Oral Scientific Presentations	GS04 1821	Co-Director
2018 Fall	6	Foundations of Biomedical Research	GS21 1017	Instructor
2018 Fall	12	Foundations of Biomedical Research for Quantitative Students	GS21 1018	Instructor
2018 Fall	4	Fundamental Mechanisms of Cancer Development	GS04 1223	Instructor
2018 Spring	1	Computational Approaches for Single-Cell Data Analysis	GS01 1041	Instructor
2018 Spring	13	Fundamental Mechanisms of Cancer Development	GS04 1223	Co-Director
2017 Fall	1	Foundations of Biomedical Research	GS21 1017	Instructor
2017 Spring	7	Fundamental Mechanisms of Cancer Development	GS04 1223	Co-Director

GSBS Educational Activities

Faculty Name: Dr. Jichao Chen

2017 Spring	13	G & E Oral Scientific Presentations	GS04 1821	Co-Director
2016 Fall	2.5	Developmental Biology	GS04 1073	Instructor
2016 Fall	1	Foundations of Biomedical Research	GS21 1017	Instructor
2016 Spring	13	Current Topics In Genes & Development	GS04 1801	Co-Director
2016 Spring	3	Fundamental Mechanisms of Cancer Development	GS04 1223	Instructor
2016 Spring	2	G & E Oral Scientific Presentations	GS04 1821	Instructor
2016 Spring	1	Human Pathobiology	GS12 1164	Instructor
2015 Fall	1	Foundations of Biomedical Research	GS21 1017	Instructor
2015 Spring	13	Current Topics In Genes & Development	GS04 1801	Co-Director
2015 Spring	3	Developmental Biology	GS04 1073	Instructor
2015 Spring	2	Fundamental Mechanisms of Cancer Development	GS04 1223	Instructor
2015 Spring	12	G & E Oral Scientific Presentations	GS04 1821	Instructor
2015 Spring	1	Human Pathobiology	GS12 1164	Instructor
2014 Fall	1	Foundations of Biomedical Research	GS21 1017	Instructor
2014 Spring	13	Current Topics In Genes & Development	GS04 1801	Instructor
2013 Fall	3	Fundamental Mechanisms of Cancer Development	GS04 1223	Instructor
2013 Spring	3	Developmental Biology	GS04 1073	Instructor
2012 Fall	2	Fundamental Mechanisms of Cancer Development	GS04 1223	Instructor
2012 Spring	3	Developmental Biology	GS04 1073	Instructor

Chair Of Advisory Committee

Student Name	Start Date	End Date	Degree Plan	Grad Date	Actual Grad Date and Degree Received	
Nayak, Richa	05/03/2022		Ph.D.			
Gacha Garay, Maria	07/19/2021		Ph.D.			
Kong, Celine Shuet Lin	07/18/2020		Ph.D.			
Hassan, Dalia Kabary	06/22/2020		Ph.D.			
Narvaez del Pilar, Odemaris	12/16/2016	08/10/2021	Ph.D.	08/10/2021	08/10/2021	Ph.D.
Little, Danielle	06/30/2015	12/18/2020	Ph.D.	12/18/2020	12/18/2020	Ph.D.
Cain, Margo	10/20/2017	05/01/2020	Ph.D.	05/01/2020	05/01/2020	Ph.D.
Hernandez, Belinda	10/10/2012	12/19/2014	M.S.	12/19/2014	12/19/2014	M.S.

Secondary Advisor Of Advisory Committee

Student Name	Start Date	End Date	Degree	Grad Date

GSBS Educational Activities

Faculty Name: Dr. Jichao Chen

Member Of Advisory Committee

Student Name	Role	Start Date	End Date	Degree	Grad Date
Wharton, Brianne	Member (Outside Area)	06/08/2022		M.S.	
Jiang, Yingda	Member (Outside Area)	01/12/2022		Ph.D.	
Sun, Chang	Member	02/10/2021		Ph.D.	
Wang, Yuanxin	Member (Outside Area)	02/10/2021		Ph.D.	
Wang, Ruoyu	Member	12/09/2020		Ph.D.	
Reyes Castro, Raisa	Member	10/14/2020		Ph.D.	
Kulkarni, Vikram	Member (Outside Area)	11/13/2019		Ph.D.	
Yan, Yun	Member	11/13/2019		Ph.D.	
Yasar, Fatma	Member	05/10/2017		Ph.D.	
Padhye, Aparna	Member	10/27/2015	08/10/2021	Ph.D.	08/10/2021
Hoang, Oanh	Member	01/09/2019	12/18/2020	M.S.	12/18/2020
Shin, Seul A	Member (Outside Area)	10/28/2015	12/18/2020	Ph.D.	12/18/2020
Anirudhan, Varada	Member	04/12/2017	05/10/2019	M.S.	05/10/2019
Wu, Sarah Jiaxi	Member	08/12/2015	05/10/2019	M.D./Ph.D.	05/10/2019
Trimmer, Kenneth	Member	09/11/2013	05/10/2019	Ph.D.	05/10/2019
Liu, Xingtong	Member	10/19/2016	08/15/2018	Ph.D.	08/15/2018
Sumner, Elizabeth	Member	10/14/2015	05/06/2016	Ph.D.	
Chen, Han	Member	06/13/2012	08/13/2013	M.S.	
Azizian, Nancy	Member	04/11/2012	04/10/2013	Ph.D.	08/15/2017

Examining Committee Participation

Student Name	Role	Exam Date
Wang, Yuanxin	Member (Outside Area)	07/13/2022
Ye, Jie	Chair	05/12/2021
Kulkarni, Vikram	Member	01/13/2021
Lin, Yiyun	Member	01/13/2021
Perez-Oquendo, Mabel	Chair	01/13/2021
Sridharan, Sreepradha	Member	01/13/2021
Reyes Castro, Raisa	Chair	12/09/2020
Ye, Hanghui	Chair	12/09/2020
Xue, Yongming	Member	09/14/2016
Trimmer, Kenneth	Member	07/09/2014
Villar-Prados, Alejandro	Member	06/11/2014
Tucker, Jeannette	Member	01/08/2014
Ramirez-Pena, Esmeralda	Member	09/11/2013
Leung, Marco	Member	05/08/2013

GSBS Educational Activities

Faculty Name: Dr. Jichao Chen

Tutorials Supervised

Student Name	Term
Nayak, Richa	2022 Spring
Gacha Garay, Maria	2021 Summer
Hassan, Dalia Kabary	2020 Summer
Yan, Yun	2019 Spring
Little, Danielle	2015 Summer
Sumner, Elizabeth	2014 Fall
Best, Erin	2014 Summer
Trimmer, Kenneth	2012 Fall

Mini-Rotations(MS)/Trial Periods(PhD)

Student Name	Term

Program Affiliation

Program	Role	Start Date	End Date
Genetics and Epigenetics	Director	09/01/2020	
Genetics and Epigenetics	Co-Director	09/01/2018	08/31/2020
Genetics and Epigenetics	Member	03/01/2017	08/31/2018
Genes and Development [Phase Out]	Member	01/01/2012	02/28/2017

Program	Subcommittee Name	Role	Start Date	End Date
Genetics and Epigenetics	Steering	Chair	9/1/2020	8/31/2022
Genetics and Epigenetics	Steering	Member	9/1/2018	8/31/2020
Genes and Development	Admissions	Member	9/1/2012	8/31/2014
Genes and Development	Rotation Talk Oragnizers	Chair	9/1/2012	8/31/2014

Standing Committee Participation

CommitteeType	Start Date	End Date	Committee Role
Program Directors	2/1/2022	7/31/2022	Chair
Program Directors	10/1/2020	9/30/2022	Member

GSBS Representation on Institutional Committees

CommitteeType	Start Date	End Date	Committee Role

Faculty Advisors to Student Associations

Organization name	Start Date	End Date

GSBS Educational Activities

Faculty Name: Dr. Jichao Chen

Professional Development

Activity	Role	Start Date
Mentoring Works V1-2	Participant	02/07/2018
Mentoring Works V1-1	Participant	01/10/2018

Innovative Educational Activities

Activity	Description	Start Date	End Date
Created new GSBS Course	GS04 1781: Pragmatic Bioinformatics for Bench Scientists	04/21/2020	

Program Reviewer

Date	Description

Scholarship Fellowship Reviewer

Date	Description
05/01/2017	Alfred G. Knudson Award
08/01/2013	Schissler Foundation Award

Major Educational Awards

Award	Date
Paul E. Darlington Mentor Award	06/30/2022
John P. McGovern Outstanding Teaching Award	05/28/2021

Awards Received

Date	Description

Outreach/Other Activities

Date	Description
9/9/2021	Attended GSBS Faculty Meeting
1/31/2020	Attended Visitation Dinner (G&E rep)
4/26/2019	Speaker at G&E Career Symposium

GSBS Educational Activities

Faculty Name: Dr. Jichao Chen

11/16/2016	GSBS Recruitment - Saint Edwards University
8/1/2013	Schissler Foundation Award - Reviewer

Applicant Interviews

Applicant Name	Interview Date
Zhang, Xing-Han	03/04/2022
V, Mitheera	02/18/2022
Liu, Yuejiang	02/26/2021
Barros De Paula, Ruth	02/12/2021
Miao, Shucheng	02/12/2021
Nguyen, Phuoc	01/29/2021
Liao, Zian	01/15/2021
Attili, Durga Venkata Rajesh	02/14/2020
Gacha Garay, Maria	01/31/2020
Grillo Alvarado, Valentina	03/01/2019
Shaheen, MennatAllah	02/22/2019
Zou, Jinhao	03/22/2018
Soeung, Victoria	03/09/2018
Thiruppathy, Mathi	03/09/2018
Hsu, Wen-Hao	02/20/2018
Bachtel, Nathaniel	03/09/2017
Medvedeva, Valentina	03/09/2017

Academic Standards				
Program	**One Year to Serve**	**Two Years to Serve**	**Three Years to Serve**	**Alternates**
Biochemistry & Cell Biology			**Guangwei Du** BCB	**Melvin Klegerman** BCB
Cancer Biology			**Dung-Fang Lee** CB	**Chunru Lin** CB
Genetics & Epigenetics	**Bin Wang** CB G&E			**Shawn Bratton** G&E
Immunology	**Zhen Fan** Imm TAP			**Roza Nurieva** Imm
Medical Physics	**Jason Stafford** MP - CHAIR			**Jinzhong Yang** MP
Microbiology & Infectious Diseases		**Nayun Kim -** MID		**Nick DeLay** MID
Neuroscience		**Sheng Zhang** G&E N		**Michael Beierlein** N
Quantitative Sciences	**Prahlad Ram** QS			**Liang Li** QS
Therapeutics & Pharmacology	**Ali Azhdarinia** TAP			**Xiaodong Cheng** TAP BCB
Genetic Counseling			**Meagan Choates** GC	**Kathryn Leal** GC

Legend:
UTHealth Faculty
MD Anderson Faculty

Admissions			
Program	**One Year to Serve**	**Two Years to Serve**	**Three Years to Serve**
Biochemistry & Cell Biology		**Kai Sun** BCB TAP	
Cancer Biology	**Lawrence Kwong** CB		
Genetics & Epigenetics			**Jun Wang** BC GE
Immunology	**Jin Seon Im** CB Imm		
Microbiology & Infectious Diseases			**Heidi Kaplan** MID
Neuroscience		**Akihiko Urayama** N	
Quantitative Sciences			**Ryan Sun** QS
Therapeutics & Pharmacology		**Sabrina Bertilaccio** TAP	
At-Large	**TBA**		
At-Large		**Jian Hu** CB N	
At-Large	**TBA**		
At-Large		**Kendra Carmon** BCB TAP	
At-Large	**Sheng Pan** QS		
At-Large	**Francesca Cole** G&E		
At-Large	**Eugenie Kleinerman** Imm		
At-Large	**Anna Konovalova** MID CHAIR		

Legend:
UTHealth Faculty
MD Anderson Faculty

Curriculum			
One Year to Serve	**Two Years to Serve**	**Three Years to Serve**	**Alternate**
Shane Cunha BCB	**Guang Peng** G&E	**Pamela Wenzel** IM BCB	**Leslie Dunnington** GC
Anne-Marie Krachler MID	**Michael Zhu** BCB N	**Wantong Yao** GE CB	
Blaine Bartholomew G&E BCB	**Richard Bouchard** MP CHAIR	**Jian Wang** QS	

Legend:
UTHealth Faculty
MD Anderson Faculty

Diversity, Equity and Inclusion Committee	
Chair	New Members
	Jennifer Czerwinski GC
	Candelaria Gomez-Manzano CB
	Daniel Harrington TAP CB
	Ralf Krahe G&E
CHAIR	**Melinda Yates** TAP

Executive			
One Year to Serve	**Two Years to Serve**	**Three Years to Serve**	**Vice President/President Elect**
Vasanthi Jayaraman BCB N	**Pierre McCrea** G&E N	**Mike Curran** imm	

Legend:
UTHealth Faculty
MD Anderson Faculty

GSBS ByLAWS: https://gsbs.uth.edu/faculty/faculty-bylaws

SECTION 3.0 -- COMMITTEES OF THE GRADUATE FACULTY

The Graduate Faculty shall maintain the following standing committees which are responsible to the Graduate Faculty and advisory to the Deans: Executive Committee, Membership Committee, Admissions Committee, Academic Standards Committee, Curriculum Committee, Program Coordinating Committee, Student Scholarship Committee, and Diversity, Equity, and Inclusion Committee. Members of all committees shall be appointed by the Deans upon recommendation of the President of the Faculty, the Membership Committee and the Graduate Faculty.

Student Members shall be recommended to the Deans by the Student Association. Two student members shall be appointed to the Program Coordinating Committee annually; three students shall be appointed to the Curriculum Committee annually. The Deans shall appoint the Chairpersons of all committees, except the Executive Committee. Chairpersons are not voting members except to break tie votes.

Current

The President of the Faculty shall be an ex officio member, without vote except on the Executive Committee, of all Standing Committees. Faculty appointments to committees shall be made for three year terms with one-third of these committee members being appointed annually. Committee membership shall commence on October 1, and end on September 30. Committee reports will be made at each faculty meeting.

Proposed Changes

1. The President of the Faculty shall be an ex officio member, without vote except on the Executive Committee, of all Standing Committees. Faculty appointments to committees (with the exception of the Program Directors Committee) shall be made for three year terms with one-third of these committee members being appointed annually. Committee membership shall commence on October 1, and end on September 30. Committee reports will be made at each faculty meeting.

2. Replace all instances of Program Coordinating Committee to Program Directors Committee.