UAB SCHOOL OF MEDICINE

Department of Microbiology

Talking About Excellence

The microbiology department is abuzz sharing research goals and methods to attack those goals. Although chalk talks have been used for several years by faculty recruits as a way to introduce themselves to current faculty, the faculty themselves have just begun using chalk talks to enrich their own work.

"Faculty chalk talks are meant to be opportunities for faculty to have a relatively informal venue to talk over their ideas for a future grant application or other research program development, getting feedback from their peers that will help them become more successful, gaining funding for their work," explains Dr. David Chaplin.

"Other institutions, including departments at Duke University, are also adding an internal review process to their NIH grant submissions and finding that the internal review improves the competitiveness of the grant and increases the likelihood that an application will be funded when submitted to the granting agencies," says Dr. Frances Lund, Department Chair. "As an added incentive, Micro faculty who participate in the chalk talks and then have the subsequent written grant critiqued by a panel of UAB and/or external reviewers will be eligible to apply for bridge funding if the grant is competitively scored but not funded."

"We anticipate that non-experts may also have substantial input on the best way to structure a research project or to present it to study sections, we want to invite all of our department faculty to the talks," says Chaplin. "We also plan to ask selected UAB faculty from outside our department if they would be able to give special input into the discussion."

In March, Dr. Mengxi Jiang, one of the department's newer faculty members, presented the microbiology department's first faculty chalk talk. Jiang already had some experience with faculty chalk talks while at the University of Michigan where she was a research investigator.

"Chalk talks are a more discussion-based presentation instead of a polished seminar," says Jiang. "For the March meeting, I sent out a Specific Aims page before the chalk talk to give everyone a general idea of what I would be talking about."

Jiang invited Drs. Louise Chow and Tom Broker to her talk. Other investigators outside the microbiology department were also invited. They included Drs. Mary-Ann Bjornsti, Robert van Waardenburg, and Bill Britt. "All of them gave insightful feedback to my chalk talk, and I think it is great to hear comments from various perspectives," says Jiang.

The department's first chalk talk was a good experience for Jiang. She says, "I feel everyone is genuinely trying to help me to write a better grant. It might also lead to some future collaborations."

Dr. Sunnie Thompson will present the next faculty chalk talk, which will be scheduled for May.

"Faculty chalk talks are meant to be opportunities for faculty to have a relatively informal venue to talk over their ideas for a future grant application or other research program development, getting feedback from their peers that will help them become more successful, gaining funding for their work,"

UAB SCHOOL OF MEDICINE
Department of Microbiology

Are Individual Development Plans in Your Future?

By Louis Justement, Ph.D.

Whether you are a graduate student, postdoctoral fellow or faculty mentor, the answer to that question is almost certainly yes. Although individual development plans (IDP) have been actively used in a range of occupations, they are just now beginning to be adopted by the biomedical research community. This is in large part due to recent recommendations by various organizations, including the National Postdoctoral Association, which recommends that all postdoctoral fellows complete an IDP, as well as the National Institutes of Health. In 2011, the National Institute of General Medical Sciences adopted the use of IDPs as part of a comprehensive plan for training, and most recently as a result of the Biomedical Workforce Report from the Advisory Committee to the Director, NIH has recommended that all graduate students and postdoctoral fellows create an IDP. Going forward, the IDP process will become an integral part of institutional training grants and individual NRSA fellowship applications.

So, what is an IDP? In general terms, the IDP constitutes a career planning process that will help individuals identify their career of choice and implement a plan to ensure that they are successful in achieving that career goal. This is a critical activity in the current biomedical research environment as the opportunities for research-intensive jobs are highly competitive and as a result many trainees are choosing to pursue a wider range of careers that utilize their skills and knowledge. The focus of the IDP process is to encourage individual **self-assessment** of knowledge, skills, and values throughout the training process. In connection with this, individuals undertake the process of **career exploration**. It is essential for trainees to begin to familiarize themselves with the wide range of occupations that will utilize the skills they learn in graduate school and as postdoctoral fellows. The third component of the IDP process involves **setting goals**, which can be of short-, mid- and long-term duration to promote the acquisition of knowledge and skills that will facilitate success in a future career of one's choosing. When setting goals, individuals should keep in mind that they need to be setting **SMART** goals that are **S**pecific, **M**easurable, **A**ction oriented, **R**ealistic and **T**ime bound. Finally, one has to receive feedback and actively **evaluate progress** towards the goals they set.

As a trainee, evaluating your strengths and weaknesses, will allow you to determine the essential knowledge and skills that you need to acquire. By examining your values, you can insure that your future career will have the right balance between work and family and that it will focus on something you are passionate about such as research, teaching, business, public policy, etc. An IDP is not something you create and then throw in a desk drawer. It is a "living" document that is constantly refined through an iterative process; your IDP will evolve and change as your training progresses and as you refine your future career goals. Graduate students and postdoctoral fellows, must take responsibility for driving the development of your IDP and be sure to start this process early. Meet with your mentor or graduate school/postdoctoral office staff to find out what resources are available to you. Most importantly, do not be afraid to discuss your IDP with your mentor, and remember that developing an IDP will take time and should be approached as an iterative process that you will adopt as a way of life. A good place to start is by visiting the *myIDP* web based resource on Science Careers (http://myidp.sciencecareers.org/).

Mentors should actively encourage trainees to participate in career and professional development programs offered at your institutions, at scientific meetings and through professional organizations. Mentors should be prepared to work with trainees to assist them in the process of creating an IDP and realize that the time spent is well worth it in terms of ensuring the long-term happiness, productivity and success of your trainees.

Chaplin Has Paper in Pillars of Immunology

Congratulations to Dr. David Chaplin whose paper "Abnormal Development of Peripheral Lymphoid Organs in Mice Deficient in Lymphotoxin" has been selected for inclusion in the Pillars of Immunology, a feature of *The Journal of Immunology*.

The paper, originally published in Science, April 1994, is regarded as a classic in the field. It has been republished with additional commentary included. The Pillars of Immunology features give younger immunologists the opportunity to see what research has come before and how it has led to research today. Pillars articles are published in the first issue each month of *The Journal of Immunology*.

As part of its centennial celebrations, The American Association of Immunologists has made available the collected Pillars of Immunology commentaries in a downloadable format.

UAB SCHOOL OF MEDICINE

Department of Microbiology

Speaking Out for Research

By Louis Justement, Ph.D.

On March 5, 2014, Drs. Lou Justement (Microbiology), Beth Brown (Epidemiology and Microbiology) and John Chatham (Pathology) traveled to Washington D.C., in between snow storms, to participate in the 2014 Federation of American Societies for Experimental Biology (FASEB) Capitol Hill Day visit. They were accompanied by Joel M. Widder from the Oldaker Group who served as the group liaison.

The FASEB Capitol Hill Day is an annual event during which members of the FASEB Board and Science Policy Committee go to Capitol Hill to meet with their legislators to request increased support for the NIH and NSF. Drs. Justement, Brown and Chatham met with staff from Senators Shelby and Sessions offices as well as Representative Sewell's office. They also had an opportunity to meet directly with Representative Bachus to discuss the important role that UAB plays in the economic growth of Alabama and how its activities foster improved health for the state. Representative Bachus was very supportive as were all of the legislators that they spoke with.

A summary of the FASEB Capitol Hill Day visit for 2014 prepared by Jennifer Zeitzer of FASEB can be viewed here.

Activities such as these are important to raise awareness of the effects that decreased support for NIH and NSF have on the future of biomedical research in the US. If anyone has an interest in speaking out on behalf of biomedical research, they should contact Drs. Justement, Brown or Chatham for advice. Additionally, most professional societies have active public affairs offices that are willing to arrange visits to Capitol Hill. Remember, you can take the initiative to contact your legislators at any time by email or phone, and be sure to respond to requests to contact your legislator sent out by FASEB or other societies. The more often Congressional legislators hear from the scientific community, the more likely they will be to appreciate the importance of the NIH and NSF.

Postdocs Score Big at Research Day

Six microbiology department postdoctoral scholars received awards on February 17, 2014, at the annual Postdoctoral Research Day. "I don't believe that we have had this many winners from one department previously," says Sharon Johnston, program manager in the UAB Office of Postdoctoral Education.

Postdoctoral Research Day, hosted by the UAB Postdoctoral Association (PDA) and the Office of Postdoctoral Education (OPE), allows trainees an opportunity to practice their presentation skills, compete for monetary awards, and network with faculty and other postdocs. Trainees present their work in a situation similar to a conference, and receive constructive feedback to help them improve their presentation technique.

The 2014 microbiology winners are:

Davide Botta (Lund lab), 2nd Place, Session One

Valeria Lulla (Frolov lab), 3rd Place, Session Five

Colin Reily (Novak lab), 1st Place, Session Five

Alexander Speer (Niederweis lab), 2nd Place, Session Two

Jim Sun (Niederweis lab), 1st Place, Session Two

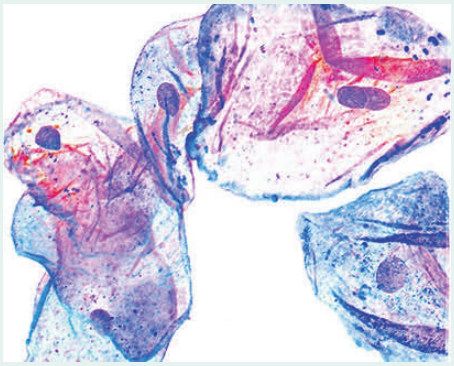
Venkata Yeramilli (Kearney lab), 2nd Place, Session Five

These outstanding trainees were among 53 entrants from UAB and SRI (Southern Research Institute). Each submitted a 300-word abstract and presented a 12-minute talk about their research project. Research Day was divided into six sessions with 1st, 2nd and 3rd place awards for each session. Presentations were judged by UAB faculty and SRI scientists.

UAB SCHOOL OF MEDICINE

Department of Microbiology

Micro Student Wins Juror's Choice Award in SOM Art Show



Shane Kelly, a graduate student in Dr. David Bedwell's lab, shows the art in his cells with three fluorescent confocal micrographs of cheek cells that he entered in the UAB School of Medicine Art Show.

The annual juried show is open to students, residents and faculty of the School of Medicine. On March 18, a panel of UAB faculty, staff and students judged entries and announced winners at a reception that evening.

The show continues through May 15 in the UAB Edge of Chaos.

Read more at "A self-portrait in cells: Grad student gets cheeky with art show entries." (UAB The Mix, Thursday, March 13, 2014)

Bliss Chang Receives Multiple Honors

In February, undergraduate student Bliss Chang, a Beckman Scholar working in Dr. Jamil Saad's lab, learned that he had been chosen to participate in the 18th Annual Posters on the Hill event, on April 28-29, 2014.

Then in March, he was named a 2014 Goldwater Scholar by the Barry M. Goldwater Scholarship in Excellence in Education Foundation.

Chang is a Biochemistry and Biology major, working on the structural basis for Fas-mediated apoptosis and investigating the role of a point mutation in the Fas protein that may reveal the mechanism of inhibition for the Fas pathway.

The poster that he will present in Washington, D.C., is one of only 60 chosen from 600 entries. He will be the first from Alabama to present.

Posters on the Hill, sponsored by the Council on Undergraduate Research, Washington, D.C., is a part of the National Conference on Undergraduate Research. It provides an opportunity for members of Congress to understand the importance of undergraduate research by talking directly with the students and their mentors.

Chang and Saad hope to meet with many Congressional Representatives to tell them how important federal funding is to basic research and the development of future scientists.

The Barry Goldwater Scholarship and Excellence in Education Program was established by Congress in 1986 to honor Senator Barry Goldwater, who served his country for 56 years as a soldier and statesman, including 30 years of service in the U.S. Senate. The purpose of the Foundation is to provide a continuing source of highly qualified scientists, mathematicians, and engineers by awarding scholarships to college students who intend to pursue research careers in these fields.

SAVE THE DATE

ANNUAL FACULTY RETREAT

BIRMINGHAM BOTANICAL GARDENS

MAY 14, 2014

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MICROBIOLOGY RESEARCH RETREAT

JOE WHEELER STATE PARK

OCTOBER 17-19, 2014

Upcoming Seminars

April 15, 2014

"Regulation of Gene Expression in Bacteria:

Repression without Repressors"

Charles L. Turnbough, Jr., Ph.D.,

Department of Microbiology, UAB

April 22, 2014

"From Gene to Community then Back:

Microbiology in the Post-microbiome Era"

Felicia Qi, Ph.D., Professor,

Department of Microbiology and Immunology,

University of Oklahoma College of Medicine

(Host: Hui Wu)

April 23, 2014 - Special Speaker

"Pathological Manipulation of the Host Cell Metabolic Network"

Joshua C Munger, Associate Professor,

Departments of Biochemistry and Biophysics,

Microbiology and Immunology, University of

Rochester School of Medicine, Rochester, NY

(Host: Fran Lund)

April 29, 2014

"Exploring Lymphotoxin-beta Receptor signaling in

Dendritic Cell Homeostasis and Function"

Jennifer Gommerman, Ph.D.,

Associate Professor and Graduate Coordinator,

Department of Immunology, University of Toronto

(Host: Fran Lund)

May 13, 2013

Allan Zajac, Ph.D.,

Department of Microbiology, UAB

(Host: Hubert Tse)

May 20, 2014

Qiana L Matthews, Ph.D.,

Assistant Professor, Center for AIDS Research,

Division of Infectious Diseases,

University of Alabama at Birmingham

(Host: Janet Yother)

Follow us on Twitter

The microbiology department sent out its first tweet on March 10, 2014. Our Twitter account is an easy way for faculty, trainees, and staff to keep up with department activities. If you have information to share via Twitter, send it to erobnson@uab.edu. Follow us @UABMicrobiology.

UAB SCHOOL OF MEDICINE

Department of Microbiology

UAB Benevolent Fund

UAB BENEVOLENT FUND

Give Help, Give Hope.

Building Our Future Now

- *Build a bright future for a child who enters school ready to learn because of early intervention services.*
- *Build a meaningful future for an adult with developmental disabilities through job training and placement.*
- *Build a future with less disease and suffering and more comfort and celebration.*

Your pledge to the Benevolent Fund supports health-care screenings, affordable homeownership, job training and cutting-edge medical research. Your pledge is what we need to build our future now! The Benevolent Fund recognizes the importance of building up our community. Our framework of giving supports more than 120 local non-profits and our Employee Emergency Assistance Program. Together, we will build our future.

To learn more about the Benevolent Fund and the agencies we support, please visit www.uab.edu/benfund. The agency designation list on the menu provides links to the websites of all the agencies to which you can direct your contribution. Click the "donate now" button and pledge electronically using your Blazer ID and password. If you have questions about the Benevolent Fund, please contact Jessica Gunnin at 934-9339 or gunnin@uab.edu or the Benevolent Fund office at 934-1581 or benevolentfund@uab.edu

Useful Links

Faculty Directory

Microbiology Newsfeed **New!**

Annual Retreat

Employee Site

Microbiology Seminar Series

BBRB Conference Rooms Schedule **New!**

Giving Opportunities **New!**

We're on the web:

http://www.uab.edu/microbiology

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Department of Microbiology

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35294-2170

*Submit information for the newsletter via email to Ella Robinson at erobnson@uab.edu.

Public Defenses

Michael W. Edwards

"Francisella tularensis LVS Invasion of Primary Murine Macrophages and mTOR Signaling."

Friday, February 21, 2014

Mentor: Jannet Katz, D.D.S., Ph.D.,

Suzanne M. Michalek, Ph.D.,

Committee: Daniel Balkovetz, M.D.,

Mary-Ann Bjornsti, Ph.D., Peter D. Burrows, Ph.D.,

Laurie Harrington, Ph.D.

Brandon L. Hatcher

"Sialic acid: A signal for pneumococcal egress from the nasal mucosa into the Central Nervous system."

Friday, March 21, 2014

Mentor: David Briles, Ph.D.

Committee: Scott Barnum, Ph.D.,

Michael Niederweis, Ph.D., Alexander Szalai, Ph.D.,

Kurt Zinn, Ph.D.

Jennifer L. Rowland

"Copper Homeostasis in Mycobacteria"

Mentor: Michael Niederweis, Ph.D.

Committee: David M. Bedwell, Ph.D.,

William H. Benjamin, Ph.D., Charles L. Turnbough, Ph.D.,

Frank Wolschendorf, Ph.D.

Just Published

Bedwell

Tuggle, K.L., S.E. Birket, X. Cui, J. Hong, J. Warren, L. Reid, A. Chambers, D. Ji, K. Gamber, K.K. Chu, G. Tearney, L.P. Tang, J.A. Fortenberry, M. Du, J.M. Cadillac, D.M. Bedwell, S.M. Rowe, E.J. Sorscher, M.V. Fanucchi. 2014. Characterization of Defects in Ion Transport and Tissue Development in Cystic Fibrosis Transmembrane Conductance Regulator (CFTR)-Knockout Rats. PLoS One. 9(3):e91253.

Gunn, G., Y. Dai, M. Du, V. Belakhov, J. Kandasamy, T.R. Schoeb, T. Baasov, D.M. Bedwell, K.M. Keeling. 2014. Long-term nonsense suppression therapy moderates MPS I-H disease progression. Mol Genet Metab. 111(3):374-81.

Briles

Genschmer, K.R., M.A. Accavitti-Loper, D.E. Briles. A Modified Surface Killing Assay (MSKA) as a Potential in vitro Surrogate Assay for Identifying Protective Antibodies Against Pneumococcal Surface Protein A (PspA). Vaccine 32:39-42 2014.

Chaplin

Togni, P.D., J. Goellner, N.H. Ruddle, P.R. Streeter, F. Andrea, S. Mariathasan, S.C. Smith, R. Carlson, L.P. Shornick, J. Strauss-Schoenberger, J.H. Russell, R. Karr, D.D. Chaplin. 2014. Pillars article: abnormal development of peripheral lymphoid organs in mice deficient in lymphotoxin. Science. 1994. 264: 703-707. J Immunol 192(5):2010-4.

Dokland

Rodenburg, C.M., S.A. McPherson, C.L. Turnbough Jr, T. Dokland. 2014. Cryo-EM analysis of the organization of BclA and BxpB in the Bacillus anthracis exosporium.
J Struct Biol. [Epub ahead of print]

Justement

Hobin J.A., P.S. Clifford, B.M. Dunn, Rich S., L.B. Justement. 2014. Putting Ph.D.s to Work: Career Planning for Today's Scientist. CBE Life Sci Educ. 13(1):49-53.

Keeling

Gunn, G., Y. Dai, M. Du, V. Belakhov, J. Kandasamy, T.R. Schoeb, T. Baasov, D.M. Bedwell, K.M. Keeling. 2014. Long-term nonsense suppression therapy moderates MPS I-H disease progression. Mol Genet Metab. 111(3):374-81.

León

León, B., Bradley, J.E., Lund, F.E., Randall, T.D., Ballesteros-Tato, A. 2014. FoxP3+ regulatory T cells promote influenza-specific Tfh responses by controlling IL-2 availability. Nature Comm. 5:3495. Doi: 10.1038/ncomms4495.

Lund

Ballesteros-Tato, A., Stone, S.L., Lund, F.E. 2014. Innate IFNg-producing B cells. Cell Res. 24:135-13

Zeng, Q., Ng ,Y.H., Singh, T., Jiang, K., Sheriff, K.A., Ippolito, R., Zahalka, S., Li, Q., Randhawa, P., Hoffman, R., Ramaswami, B., Lund, F.E., Chalasani, G. 2014. B cells mediate chronic allograft rejection independent of antibody production. J. Clin. Inv. 124:1052-10

León, B., Bradley, J.E., Lund, F.E., Randall, T.D., Ballesteros-Tato, A. 2014. FoxP3+ regulatory T cells promote influenza-specific Tfh responses by controlling IL-2 availability. Nature Comm. 5:3495. Doi: 10.1038/ncomms4495.

Mestecky

Mestecky, J., Q. Wei, R. Alexander, M. M. Raska, J. Novak, Z. Moldoveanu. 2014 Humoral Immune Responses to HIV in the Mucosal Secretions and Sera of HIV-Infected Women. Am J Reprod Immunol. [Epub ahead of print]

Moldoveanu

Mestecky, Jeri, Q. Wei, R. Alexander, M. M. Raska, J. Novak, Z. Moldoveanu. 2014 Humoral Immune Responses to HIV in the Mucosal Secretions and Sera of HIV-Infected Women. Am J Reprod Immunol. [Epub ahead of print]

Novak

Mestecky, J., Q. Wei, R. Alexander, M. M. Raska, J. Novak, Z. Moldoveanu. 2014 Humoral Immune Responses to HIV in the Mucosal Secretions and Sera of HIV-Infected Women. Am J Reprod Immunol. [Epub ahead of print]

Prevelige

Bush, D.L., E.B. Monroe, G.J. Bedwell, P.E. Prevelige Jr, J.M. Phillips, V.M. Vogt. 2014. Higher Order Structure of the Rous Sarcoma Virus SP Assembly Domain. J Virol. [Epub ahead of print]

Keifer, D.Z., Pierson, E,E,, Hogan, J,A,, Bedwell, G.J., Prevelige P.E., Jarrold, M.F. 2014. Charge detection mass spectrometry of bacteriophage P22 procapsid distributions above 20 MDa. Rapid Commun Mass Spectrom 28(5):483-8.

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Saad

Calix, J.J., AM Brady, V.Y. Du, J.S. Saad, M.H. Nahm. 2013. Spectrum of pneumococcal serotype 11A variants results from incomplete loss of capsule O-acetylation. J Clin Microbiol. 52(3):758-65.

Vlach J, Samal AB, Saad JS. Solution Structure Of Calmodulin Bound To The Binding Domain Of The HIV-1 Matrix Protein. J Biol Chem. 2014 Feb 5. [Epub ahead of print]

Turnbough

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J Struct Biol. [Epub ahead of print]

Yother

Geno, K.A., J.R. Hauser, K. Gupta, J. Yother. 2014. The Streptococcus pneumoniae Phosphotyrosine Phosphatase CpsB and Alterations in Capsule Production Resulting from Changes in Oxygen Availability J. Bacteriol. [epub ahead of print]

Grants/Contracts

David E. Briles, Ph.D., PATH VACCINE SOLUTIONS, "Comparative Efficacy of Non Capsular Pneumococcal Vaccines in Animal Models - Fifth Project Plan"

David E. Briles, Ph.D., PATH VACCINE SOLUTIONS, "Sixth Project Plan, Detection of Protective Antibody with ModOPKA Functional Assay"

David E. Briles, Ph.D, PATH VACCINE SOLUTIONS, "Seventh Project Plan, Rabbit Antisera to R. Goldstein's Antigens"

Frances E. Lund, Ph.D., National Institute of Allergy and Infectious Diseases/NIH/DHHS, "Control of Anti-Viral B Cell Responses by IFNg, T-bet and Eomes"

Julio Ayala (Charles L. Turnbough, Ph.D.), National Institute of Allergy and Infectious Diseases/NIH/DHHS, "Regulation of Vibrio Biofilm Formation by H-NS Repression and Anti-Repression"

Jamil Saad, Ph.D., Faculty Development Grant, "Structural Basis for Calmoduln- and Membrane-mediated Activation of Akt"

UAB SCHOOL OF MEDICINE

Department of Microbiology

Around Campus and About Town

ASO Coffee Concert: Brahms's Violin Concerto

Alys Robinson Stephens Performing Arts Center

April 25, 2014

11:00 am

Admission charged (call 975-2787 for details)

We welcome violinist Stefan Jackiw for Brahms's technically challenging and formidable work. Young Venezuelan-born Spanish conductor Jose Luis Gomez will be on the podium. Arrive early to enjoy complimentary coffee and pastries before the concert.

Earth Day at the Gardens

Birmingham Botanical Gardens

April 26, 2014

11:00 am

More than 40 earth-friendly exhibitors will have booths displaying family friendly activities and information. Dozens of local and regional organizations focused on issues such as conservation, energy efficiency and clean air will fill the Formal Garden, the lawn in front of the Conservatory, with fun-filled, family-focused activities.

16th Annual Lebanese Food and Cultural Festival

St. Elias Maronite Catholic Church

April 25-26, 2014

10am – 9pm

Lebanese band, traditional dancing, tours of the church, silent auction and terrific food. The festival donates 25% of its proceeds to local and national charities each year. To date the festival has donated over $310,000 to charities.

Bards & Brews Open Mic Event at Birmingham Botanical Gardens

Birmingham Botanical Gardens

May 2, 2014

6:30 – 9:00 pm

Free

Music and signup from 6:30-7:00 p.m.; performances start at 7:00 p.m. The event is free to attend and is open to the public. Must be 18 and up to attend and 21 to participate. Beer tasting will be provided by Cahaba Brewing. ID required. Refreshments will be served.

CAHABA BREWING COMPANY

VULCAN PARK AND MUSEUM

Vulcan's 110th Birthday Bash

June 1, 2014

Vulcan Park and Museum

$5 for all ages 5+

The BIGGEST birthday bash in Birmingham! Vulcan Park and Museum will host a festive outdoor community celebration offering fun activities for the whole family in celebration of Vulcan's 110th Birthday! Admission fee includes admission to the party, Vulcan's Observation Tower, Museum and a special exhibition in the Linn-Henley Gallery.

Juneteenth

Kelly Ingram Park

June 7, 2014

11:00 am – 8:00 pm

Free

This family-oriented event features music, food vendors, contests, free admission to the Birmingham Civil Rights Institute galleries and other special activities.