



## Minutes

**BRI Institutional Biosafety Committee**  
**Institutional Biosafety Committee**  
**8/12/2025**  
**1:00 pm**  
**Zoom**

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### 1 Statements of Confidentiality and Conflicts of Interest

**Quorum and Meeting Access:** The Chair called the meeting to order at 1:00 pm and noted that the meeting was open to the public. Quorum existed at the start of the meeting with 9 voting members present. A quorum was maintained for the entire meeting.

**Confidentiality:** The Chair reminded the committee that while the meeting is open to the public, the information discussed during the meeting should be treated as confidential.

**Conflict of Interest:** The Chair asked the committee if any members needed to declare a conflict of interest with respect to any matter on the agenda. The Chair notified committee members that if they had a conflict of interest, they must leave the room during the final discussion and voting on that IBC submission.

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### 2 Attendees

#### Committee Members Present

Lewis Bowen III (Finance and Administration)	Biological Safety Officer
Kunal Gupta (Neurosurgery)	R/SNA Technology Expert
Anna Huppler (Pediatrics)	R/SNA Technology Expert
Eric Jensen (Research Office)	Animal Containment Expert
Tyce Kearl (Medicine)	R/SNA Technology Expert
	HGT Expert
Nikki Lytle (Surgery)	R/SNA Technology Expert
Angela Mathison (Surgery)	R/SNA Technology Expert
Qizhen Shi (Pediatrics)	R/SNA Technology Expert
Matthew Surdel (Medicine)	R/SNA Technology Expert

#### Committee Members Absent

Kenneth Allen (Research Office)	Alternate Animal Containment Expert, Non-Voting
James Case (Non-MCW)	Non-Affiliated Member
Lezi E (Cell Biology, Neurobiology and Anatomy)	R/SNA Technology Expert

Benjamin Gantner (Medicine)  
 Laura Stephens (Non-MCW)

Chair  
 Non-Affiliated Member

### 3 Meeting Minutes Reviewed at this Meeting

7/8/2025 (Zoom)

**Motion:** Minutes Approved  
**Yes Votes:** 9  
**No Votes:** 0  
**Abstained:** 0  
**Recused:** 0  
**Total Votes:** 9

### 4 New Business

#### 1. Administrative Report

The Chair asked the Committee Members to review the Administrative Report and then invited discussion. No concerns were raised.

#### 2. Exempt Rodent Report

The Exempt Rodent Report was provided to the Committee members.

### 5 Application Reviews

#### IBC20250025 Blood Vessel and Stem Cell Regulators in Zebrafish

**Principal Investigator:** Wade Sugden  
**Motion:** Decision Pending Changes  
**Yes Votes:** 9  
**No Votes:** 0  
**Abstained:** 0  
**Recused:** 0  
**Total Votes:** 9

**NIH Guidelines:** Section III-D-4, Section III-E, Section III-F-1, Section III-F-2, Section III-F-8 (C-I), Section III-F-8 (C-II)

**Biosafety Level(s):** BSL1, BSL2

**Deliberations:** The Vice Chair introduced this new Institutional Biosafety Committee (IBC) application, allowing the Primary Reviewer to describe the study. The Principal Investigator (PI) proposes to study the developmental signals required for the endothelial-to-hematopoietic transition in the process of hematopoietic stem cell production. The lab uses a zebrafish model, including live-imaging and chemical/genetic screens. Clustered regularly interspaced short palindromic repeats (CRISPR)/Cas9 experiments are done with enzyme and guide RNA delivered as separate components with the guide RNA not targeting human genes. Additional work is done in human primary cells and cell lines. Work with human oncogenes and tumor suppressors occurs via lipofectamine transfection of human cells. The application uses microorganisms (Escherichia (E.) coli K12), recombinant DNA (rDNA) (including cloning vectors, expression vectors, guide RNA (gRNA), morpholinos, polymerase chain reaction (PCR) amplicons, and sense/antisense RNA), and human source materials (including hematopoietic cells, peripheral blood mononuclear cells (PBMCs), HEK293, induced pluripotent stem cells (iPSCs), and human umbilical vein endothelial cells (HUVEC)). The Committee confirmed that all personnel listed in the application completed safety training appropriate for work with the materials described. The Primary and Secondary Reviewers requested a few clarifications, including whether E. coli and several human cells lines are used in the study or only stored in the lab. The Animal Containment Expert (ACE) and the Biological Safety Officer (BSO) had no

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**5****Application Reviews**

additional concerns. Upon a motion duly made by the Primary Reviewer and seconded, the Committee voted to approve this new application pending the requested changes.

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**6****Adjournment**

There being no further business, the meeting was adjourned at 1:24 pm. The next regularly scheduled meeting will be held on Tuesday, September 9, 2025 at 1:00 pm in Zoom.