CURRENT AND PENDING (OTHER) SUPPORT INFORMATION

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person.

*NAME: Levin, Anat

*POSITION TITLE: Professor

*ORGANIZATION AND LOCATION: Technion, Israel Inst. of Technology, Haifa, Israel

Proposals/Active Projects

***Proposal/Active Project Title:** Computational wavefront shaping: theory and practice

***Status of Support:** Current

Proposal/Award Number: 2024-01-01 to 2027-12-31

***Source of Support:** Israel Science Foundation

***Primary Place of Performance:** Technion, Israel Inst. of Technology

***Proposal/Active Project Start Date: (MM/YYYY):** 10/2024

***Proposal/Active Project End Date: (MM/YYYY):** 09/2028

***Total Anticipated Proposal/Project Amount:** $200,000

*** Person Months per budget period Devoted to the Proposal/Active Project:**

Year	Person Months
2025	1
2026	1
2027	1
2028	1

***Overall Objectives:** Develop theory and algorithms for wavefront shaping

***Statement of Potential Overlap:** General theory and algorithms for fast wavefront shaping (not only for fluorescent imaging), focus on local modulation estimation, not on the 3D case.

***Proposal/Active Project Title:** Computational tissue imaging using speckle correlation

***Status of Support:** Current

Proposal/Award Number: 101043471

***Source of Support:** ERC

***Primary Place of Performance:** Technion, Israel Inst. of Technology

***Proposal/Active Project Start Date: (MM/YYYY):** 12/2022

***Proposal/Active Project End Date: (MM/YYYY):** 12/2027

***Total Anticipated Proposal/Project Amount:** $2,000,000

*** Person Months per budget period Devoted to the Proposal/Active Project:**

Year	Person Months
2023	9
2024	9
2025	9
2026	9
2027	9

***Overall Objectives:** Develop advanced tools for modeling speckle statistics and use it for tissue imaging.

***Statement of Potential Overlap:** none

***Proposal/Active Project Title:** Wavefront shaping systems for deep high throughput brain imaging

***Status of Support:** Pending

Proposal/Award Number:

***Source of Support:** NIH

***Primary Place of Performance:** Technion, Israel Inst. of Technology

***Proposal/Active Project Start Date: (MM/YYYY):** 12/2025

***Proposal/Active Project End Date: (MM/YYYY):** 12/2028

***Total Anticipated Proposal/Project Amount:** $1,400,000

*** Person Months per budget period Devoted to the Proposal/Active Project:**

Year	Person Months
2026	3
2027	3
2028	3

***Overall Objectives:** in vivo neural functional imaging with aberration correction

***Statement of Potential Overlap:** Using algorithmic tools developed in previous projects, for a novel in-vivo imaging system.

***Proposal/Active Project Title:** 3D wavefront shaping for deep tissue imaging

***Status of Support:** Pending

Proposal/Award Number:

***Source of Support:** NSF-BSF

***Primary Place of Performance:** Technion, Israel Inst. of Technology

***Proposal/Active Project Start Date: (MM/YYYY):** 09/2025

***Proposal/Active Project End Date: (MM/YYYY):** 08/2026

***Total Anticipated Proposal/Project Amount:** $280,000

*** Person Months per budget period Devoted to the Proposal/Active Project:**

Year	Person Months
2026	1
2027	1
2028	1

***Overall Objectives:** Imaging of weak fluorescent targets deep inside the tissue, over a wide 3D field of view.

***Statement of Potential Overlap:** This proposal

***Proposal/Active Project Title:** Wavelength Diversity for 3D Refractive Index Microscopy of Multiple-scattering Samples

***Status of Support:** Pending

Proposal/Award Number:

***Source of Support:** NSF-BSF

***Primary Place of Performance:** Technion, Israel Inst. of Technology

***Proposal/Active Project Start Date: (MM/YYYY):** 09/2025

***Proposal/Active Project End Date: (MM/YYYY):** 08/2028

***Total Anticipated Proposal/Project Amount:** $280,000

*** Person Months per budget period Devoted to the Proposal/Active Project:**

Year	Person Months
2026	1
2027	1
2028	1

***Overall Objectives:** Recover 3D refractive index structure of thick tissue samples.

***Statement of Potential Overlap:** none

Certification:

I certify that the information provided is current, accurate, and complete. This includes but is not limited to current, pending, and other support (both foreign and domestic) as defined in 42 U.S.C. § 6605.

I also certify that, at the time of submission, I am not a party to a malign foreign talent recruitment program.

Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Levin, Anat in SciENcv on 2025-02-19 13:44:13