

ICMJE DISCLOSURE FORM

Date: 11/29/2021

Your Name: Allen Cole Burks

Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists

Manuscript number (if known): JTD-21-1381-CL

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

The following questions apply to the author's relationships/activities/interests as they relate to the **current manuscript only**.

The author's relationships/activities/interests should be **defined broadly**. For example, if your manuscript pertains to the epidemiology of hypertension, you should declare all relationships with manufacturers of antihypertensive medication, even if that medication is not mentioned in the manuscript.

In item #1 below, report all support for the work reported in this manuscript without time limit. For all other items, the time frame for disclosure is the past 36 months.

		Name all entities with whom you have this relationship or indicate none (add rows as needed)	Specifications/Comments (e.g., if payments were made to you or to your institution)
Time frame: Since the initial planning of the work			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	University of North Carolina at Chapel Hill, University Cancer Research Fund	Lineberger Comprehensive Clinical Cancer Center study number LCCC1337
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	<input checked="" type="checkbox"/> None	
3	Royalties or licenses	<input checked="" type="checkbox"/> None	

4	Consulting fees	<input checked="" type="checkbox"/> None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input checked="" type="checkbox"/> None	
8	Patents planned, issued or pending	<input checked="" type="checkbox"/> None	
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	<input checked="" type="checkbox"/> None	

Please summarize the above conflict of interest in the following box:

The current study was partially funded by the institutional University Cancer Research Fund via a Lineberger Comprehensive Clinical Cancer Center award.

I have no conflicts of interest to disclose regarding the current manuscript.

Please place an "X" next to the following statement to indicate your agreement:

I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJE DISCLOSURE FORM

Date: 11/29/2021

Your Name: Jason Akulian

Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists

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ICMJE DISCLOSURE FORM

Date: 11/29/2021
 Your Name: Christina R. MacRosty
 Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists
 Manuscript number (if known): JTD-21-1381-CL

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Date: 11/29/2021

Your Name: Sohini Ghosh

Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists

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Date: 11/29/2021

Your Name: Adam Belanger

Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists

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Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists

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Date: 11/29/2021

Your Name: Thad S. Benefield

Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists

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Date: 11/29/2021

Your Name: Christina R. Inscoe

Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists

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3	Royalties or licenses	<input type="checkbox"/> Y <input type="checkbox"/> Xintek	Royalty payment from University involvement in related IP

4	Consulting fees	<input checked="" type="checkbox"/> None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input checked="" type="checkbox"/> None	
8	Patents planned, issued or pending	<input checked="" type="checkbox"/> Patent issued	Co-inventor of IP for stationary chest tomosynthesis
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	<input checked="" type="checkbox"/> None	

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The current study was partially funded by the institutional University Cancer Research Fund via a Lineberger Comprehensive Clinical Cancer Center award.

I am co-inventor of University IP for stationary chest tomosynthesis which has been licensed to Xintek. Small royalty payments have been received due to this relationship.

Please place an "X" next to the following statement to indicate your agreement:

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ICMJE DISCLOSURE FORM

Date: 11/29/2021

Your Name: Otto Zhou

Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists

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3	Royalties or licenses	Xintek, Inc	Board director of Xintek, to which technology is licensed.

4	Consulting fees	<input checked="" type="checkbox"/> None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input checked="" type="checkbox"/> None	
8	Patents planned, issued or pending	<input type="checkbox"/> Issued patents related to tomosynthesis	Co-Inventor of the CNT x-ray source array and stationary tomosynthesis technologies
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> None	
11	Stock or stock options	<input type="checkbox"/>	Hold stocks and stock options in Xintek
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	<input checked="" type="checkbox"/> None	

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I am Co-inventor of the CNT x-ray source array and stationary digital tomosynthesis technologies, and co-founder and board director of the company to which the technology is licensed. I hold stocks and shares in the Xintek Inc company.

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Date: 11/29/2021

Your Name: Jianping Lu

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3	Royalties or licenses	Xintek, Inc	Small equity shares of Xintek, to which technology is licensed.

4	Consulting fees	Xintek Inc Surround Medical Systems	Consultant Consultant
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
6	Payment for expert testimony	<input checked="" type="checkbox"/> None	
7	Support for attending meetings and/or travel	<input checked="" type="checkbox"/> None	
8	Patents planned, issued or pending	<input type="checkbox"/> None	Co-Inventor of the digital chest tomosynthesis system
9	Participation on a Data Safety Monitoring Board or Advisory Board	<input checked="" type="checkbox"/> None	
10	Leadership or fiduciary role in other board, society, committee or advocacy group, paid or unpaid	<input checked="" type="checkbox"/> None	
11	Stock or stock options	<input checked="" type="checkbox"/> None	
12	Receipt of equipment, materials, drugs, medical writing, gifts or other services	<input checked="" type="checkbox"/> None	
13	Other financial or non-financial interests	<input checked="" type="checkbox"/> None	

Please summarize the above conflict of interest in the following box:

The current study was partially funded by the institutional University Cancer Research Fund via a Lineberger Comprehensive Clinical Cancer Center award.

I am Co-inventor of the stationary digital chest tomosynthesis system and shareholder of the company (Xintek Inc) to which the technology is licensed. I receive consultant fees from Xintek and Surround Medical Systems.

Please place an "X" next to the following statement to indicate your agreement:

I certify that I have answered every question and have not altered the wording of any of the questions on this form.

ICMJE DISCLOSURE FORM

Date: 11/29/2021

Your Name: Yueh Z. Lee

Manuscript Title: Feasibility of a Prototype Carbon Nanotube Enabled Stationary Digital Chest Tomosynthesis System for Identification of Pulmonary Nodules by Pulmonologists

Manuscript number (if known): JTD-21-1381-CL

In the interest of transparency, we ask you to disclose all relationships/activities/interests listed below that are related to the content of your manuscript. "Related" means any relation with for-profit or not-for-profit third parties whose interests may be affected by the content of the manuscript. Disclosure represents a commitment to transparency and does not necessarily indicate a bias. If you are in doubt about whether to list a relationship/activity/interest, it is preferable that you do so.

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Time frame: Since the initial planning of the work			
1	All support for the present manuscript (e.g., funding, provision of study materials, medical writing, article processing charges, etc.) No time limit for this item.	University of North Carolina at Chapel Hill, University Cancer Research Fund	Lineberger Comprehensive Clinical Cancer Center study number LCCC1337
Time frame: past 36 months			
2	Grants or contracts from any entity (if not indicated in item #1 above).	<input checked="" type="checkbox"/> None	
3	Royalties or licenses	<input checked="" type="checkbox"/> None	

4	Consulting fees	<input checked="" type="checkbox"/> None	
5	Payment or honoraria for lectures, presentations, speakers bureaus, manuscript writing or educational events	<input checked="" type="checkbox"/> None	
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I certify that I have answered every question and have not altered the wording of any of the questions on this form.