



NCBA NEWS

June 2018

Volume 39, Issue 3

In This Issue

President's
Letter

Vendor List

Golf
Information

CBET Review
Seminar

Scholarships &
Awards

Symposium
Schedule

Class
Descriptions

Become a
Board Member

Board of
Directors

Contact Us:
bodall@ncbiom
edassoc.com

President's Letter

As we approach our 40th anniversary NCBA Symposium, I can't help but reflect on our history, and of course, those who have helped us reach this milestone. When the North Carolina Biomedical Association was envisioned in the late 1970s, our vision was clear to those of us involved at that time. And I am proud to say that the NCBA leadership over the years has kept that vision in clear focus as we have grown and evolved. It is thanks to the hundreds of volunteers that we are still in a position to help support the technical and professional development of our members.

Later in this newsletter you will find two pages that show our Past Presidents and Lifetime Honorary members. These leaders, along with countless Board members, committee chairs, speakers and presenters have helped bring us to this point in time.

I am proud to say that my history dates back to the founding of this organization and over the years I have had the benefit of working with, and being mentored by, some truly inspirational people. Service to the NCBA through these various volunteer positions is highly rewarding to you and to your fellow healthcare professionals.

In August, at the NCBA Symposium Business Meeting, we will have the opportunity to elect the next group of members to the Board of Directors. Each year the Symposium attendees elect six Board members to fill out the 12 positions as defined by our By-Laws. At the September Board of Directors meeting, the 12 Board members elect the 5 officers who will form the Executive Committee of the Board.

I would like to encourage our members to submit their nominations as a candidate for the 2019 NCBA Board of Directors. When elected, you will serve a two year term and also be eligible to run for a 2nd two year term if you choose. During these 4 years, you will likely serve in a variety of elected and volunteer positions that all contribute to the future success of the NCBA and our upcoming Symposiums. This is a great opportunity to give back to the healthcare technology community here in North Carolina and afford you an unrivaled leadership development opportunity.

Your Board has been working to finalize the Symposium educational program for this year, and I believe it is one of the strongest programs I've seen presented at the NCBA. In addition, the vendor exhibit hall is quickly filling up with many of your

favorite vendors and many new companies you will be able to meet for the first time. Tuesday is the start of the Symposium with our annual Mike McCoy Golf Tournament, this year being held on Pinehurst Course No. 5. Space is still available for both individuals and teams. I hope you can join us for a terrific event.

Best wishes to you all and safe travels to Pinehurst.

Glenn Scales CBET-E
NCBA President



Wellness Robotronic Industries™
Refurbished Circuit Boards for Hospital Beds and Equipment

BENDER	INVACARE	DATASCOPE
HILL-ROM	PHILIPS	SQUARE D
STRYKER	ARJOHUNTLEIGH	RAULAND BORG
JOERNS	ELO	WEST-CALL
VERSACARE	DRIVE MEDICAL	

1.800.282.5183
WELLNESSROBOTRONICS.NET
WELLNESSROBOTRONICS@RDM.NET

NORTH CAROLINA | COLORADO | FLORIDA

North Carolina Biomedical Assn.

Past Presidents

1981 — Patrick Lynch	2000 — Glenn Scales
1982 — Franklin Forrest	2001 — Brian Poplin
1983 — Dale Crum	2002 — Boyd Campbell
1984 — Kenneth Bissette	2003 — Helen Jones
1985 — Michael Trumbore	2004 — Brian Poplin
1986 — John Shore	2005 — Sonny Richards
1987 — Margaret Clark	2006 — John Noblitt
1988 — Charles Worrell	2007 — David Wilson
1989 — Dale Allman	2008 — Glenn Scales
1990 — Kenneth Bissette	2009 — Alan Korneff
1991 — Boyd Campbell	2010 — Alan Korneff
1992 — Kevin Scoggin	2011 — Chad Granade
1993 — Lane Rushing	2012 — Alison Lauer
1994 — Greg Johnson	2013 — Helen Jones
1995 — Obie Godley	2014 — Glenn Scales
1996 — Mike Marrow	2015 — Clint McCoy
1997 — Dennis Minsent	2016 — Glenn Scales
1998 — Ray Laxton	2017 — Codi Nelson
1999 — Chris Dissinger	2018 — Glenn Scales

North Carolina Biomedical Assn.

Honorary Lifetime Members

1981.....	Carl Hays
1981.....	Martin King
1981.....	Shirley Martin
1982.....	J. C. Boone
1983.....	Bob Strickland
1987.....	Franklin Forrest
1987.....	Pat Lynch
1993.....	Judy Martin
1995.....	Margaret Clark
1995.....	Dave Curry
1995.....	Charles Worrell
1996.....	Norm Svee
2000.....	Glenn Scales
2003.....	Ken Bisette
2003.....	Obie Godley
2003.....	Manny Roman
2003.....	Lane Rushing
2004.....	Bill Yandell
2006.....	Dale Crum
2009.....	Helen Jones
2010.....	Kevin Scoggin
2011.....	Boyd Campbell
2011.....	Greg Johnson
2011.....	John Noblitt



PHILIPS

Patient monitoring

Stay connected to what's vital

Solutions that enable quick, confident and consistent care

Philips enterprise-wide patient monitoring solution combines devices, data management and support services to help you deliver care more efficiently and effectively across your systems and staff.

From the new Philips IntelliVue X3 transport monitor that delivers continuous data through a smartphone-style interface, to clinical decision support that speeds decision-making, your staff has the tools to keep watch on patients anytime, from virtually anywhere.

See how our solution can integrate seamlessly into your infrastructure to help reduce complexity and streamline workflow today, while scaling to meet your needs tomorrow.

There's always a way to make life better.

Learn more about our enterprise-wide patient monitoring solutions at www.philips.co.uk/patientmonitoring

innovation  you



Vendor Registration is Open!

Have you pre-registered for the 40th Annual Symposium and exposition in beautiful Pinehurst, NC? Below is a list of last year's vendors, which supported our 39th annual symposium.

<http://www.ncbiomedassoc.com/Symposium.aspx>

Pacific Medical	Tenacore	Mauil Biomedical Training, LLC
Technical Prospects	Crothall Clinical Equipment Services	MET Laboratories
SONODEPOT INC	Pronk Technologies	ISS Solutions
Sage Services Group	First Call Parts	Amico Accessories
TUV Rheinland	Cadmet, Inc.	USOC Medical
MedEquip Biomedical	Physio-Control, Inc.	Zoll Medical Corporation
Global Medical Imaging, LLC (GMI)	Medtronic	Tri-Imaging Solutions
GeoSonics, Inc	Relink Medical	GE Healthcare
Systems Electronics, Inc.	Siemens Medical	Mindray
Network Imaging Systems	PartsSource, Inc.	ReMedPar
Spectrum Technologies, Inc	Verathon	Integrity Biomedical Services
MediMizer, Inc	Nuvolo Technologies	MW Imaging
General Anesthetic Services, INC	Mobile Instrument Service and Repair	International Medical Equipment and Service (IMES)
Varex Imaging Corp	Acertara Acoustic Labs, LLC	Northfield Instrument Services
Transtate Equipment Company	Meriam Process Technologies	Philips Healthcare
US Medical Systems	Med One Group	ATOM Medical
Interstate All Battery Center	Merlin 360	Hill-Rom Services, Inc.
Cincinnati Sub-Zero	Masimo	DOTmed
Southeast Laser Systems, Inc.	Spacelabs Healthcare	Baxter Healthcare
Fukuda Denshi	Metropolitan Medical Services of NC, Inc.	Bayer Healthcare
Bio-medical Equipment Service Company	Southeastern Biomedical Associates, Inc.	Sodexo
EQ2	RSTI	AllParts Medical, LLC
Elite Biomedical Services	Fluke Biomedical	MD Publishing, Inc.
BC Group International, Inc.	Samaritan's Purse	Wellness Robotronic Industries
Draeger	Tekyard Medical	24x7 Magazine
American I.V. Products, Inc.	Advanced Sterilization Products	AAMI

2017 Symposium Media Partners

The North Carolina Biomedical Association would like to give special thanks to those vendors whom poured their hearts out in making our 2017 Symposium a successful year. TechNation provided the TechNation Tour Party on Wednesday evening at Dugan's Pub.



We have three more ways for you to follow us:



NCBA Facebook



@ncbiomedassoc



North Carolina Biomedical Assoc

NCBA Symposium Golf Tournament

Next Event is August 21, 2018

Golf returns for the NCBA at one of the most highly regarded golf venues in America. NCBA Members and guests are invited to participate in the annual NCBA Symposium Golf Tournament on Tuesday, August 21, 2018.

This year the tournament was played at the Pinehurst Hotel & Resort, Course number 3, located near the Pinehurst Hotel and Convention Center. We will return to Pinehurst site for the 2018 Symposium, and next year's tournament will take place on Course number 5.

We encourage you to register early due to the limited number of slots once we open up registration for next year's 2018 Symposium.

Further information about the Symposium and the golf event will be found at <http://ncbiomedassoc.com/Symposium.aspx>. Start planning now for this remarkable opportunity. Questions can be sent to our Golf Coordinator, Aaron Watts at golf@ncbiomedassoc.com.



The NCBA will be back at Pinehurst Resort August 21st-24th, 2018. We will see you there!

North Carolina Biomedical Association
NCBA 40th Annual Symposium
Tuesday, August 21, 2018 will be the golf outing.

We look forward to welcoming you to Pinehurst this up and coming August 2018 date.



Presents

CBET Review Seminar

Prepare yourself for your next career move by
becoming a Certified HTM Professional

When : July 16— 20, 2018

Time: 8:30—5

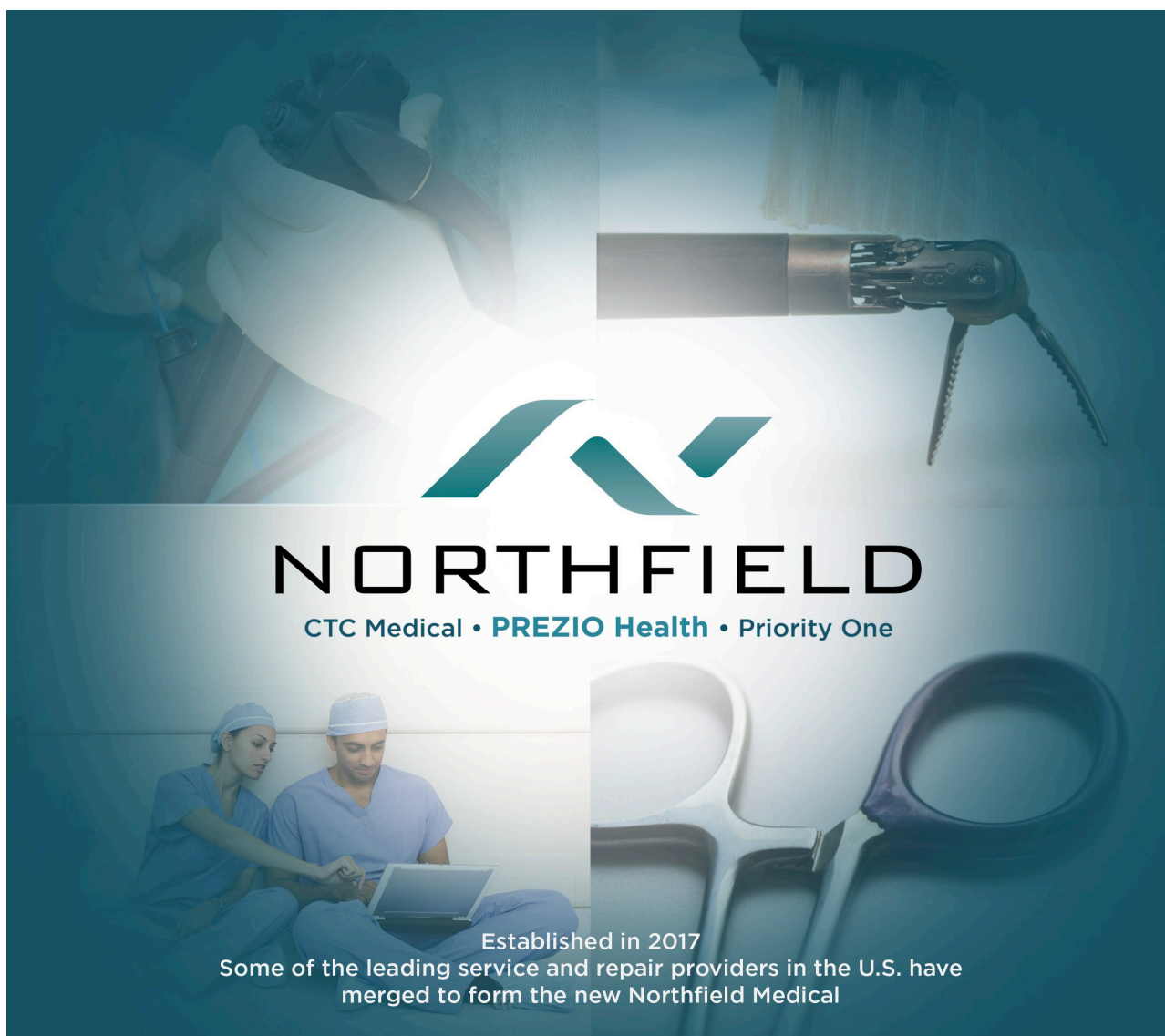
Where: Asheville, NC

Cost: 459.00



This CBET Review Seminar will be held on the UNCA campus and presented by HTM Certifications lead instructor Mr. John Noblitt, MA.Ed., CBET. John is a certified HTM professional with over 33 years of experience in the HTM field and 25 years of teaching. This review seminar will cover all areas of the CBET exam. Attendees will also have access to all study materials on the HTM Certifications website for one year.

Lodging available on UNCA campus, contact htmcertifications@gmail.com for more information.



NORTHFIELD

CTC Medical • **PREZIO Health** • Priority One

Established in 2017
Some of the leading service and repair providers in the U.S. have
merged to form the new Northfield Medical

**Northfield Medical unites with healthcare providers to ensure
the safety and longevity of medical equipment by educating
hospital employees, proactively improving processes and
always delivering expert, quality repairs**

For more information, visit www.thenewnorthfield.com



NCBA Scholarships

Are you a second year BMET student or do you know one? Applications are being accepted now for the Eddy Whisnant Scholarship and the Norman "Red" Reeves Scholarship. Please visit the Scholarships & Awards section of the NCBA website for more information.

Norman "Red" Reeves Scholarship

The Norman "Red" Reeves Scholarship Fund was established in 1993 by the North Carolina Biomedical Association (NCBA) to provide academic scholarships to students enrolled in the North Carolina Community College Biomedical Equipment Technology Programs. The scholarship is administrated by the NCBA Scholarship Committee appointed annually by the board of directors. The applicant must be working toward an Associate in Applied Science Degree in Biomedical Equipment Technology.

Eddie Whisnant Scholarship

The Eddie Whisnant Scholarship is a \$2000 cash award for a student in a North Carolina Community College System Biomedical Equipment Technology program. Award winner will be announced during the annual business meeting held at the NCBA Symposium. Monetary awards will be dispersed in two separate payments of \$1000 each after verification of all scholarship eligibility requirements.

W. Glenn Scales Scholarship

The W. Glenn Scales Scholarship was established in 2008 by the North Carolina Biomedical Association (NCBA) to provide an academic scholarship to an NCBA member that is pursuing a Baccalaureate or Master's degree. The scholarship is administrated by the NCBA Scholarship Committee appointed annually by the board of directors.



ATOM
ATOM MEDICAL USA, LLC

75 Years of Dedication to Infant Warming Products

Atom infant warming products has set a new standard in

- *Innovation*
- *Quality*
- *Total cost of ownership*

Backed by an industry leading extended standard warranty program

www.atommedusa.com • 1-844-ATOM-USA
info@atommedusa.com
100 Bradford Road | Suite 300 | Wexford, PA 15090

2018 Symposium Registration is Open!

Visit the registration link on our web page to secure your spot in our many great classes shown below.

[REGISTRATION PAGE](#)

NCBA 2018 — Symposium Schedule

Pinehurst Hotel & Resort • 80 Carolina Vista Dr. • Pinehurst, NC 28347 • (910) 295-6811 • www.pinehurst.com

TUESDAY, AUGUST 21, 2018						
12:00PM - 4:00PM	NCBA Mike McCoy Golf Tournament — Pinehurst Hotel Golf Course					
Track	Leadership	Information Technology	Imaging	BMET	BMET Advanced	Safety / Regulatory
Room	TBD	TBD	TBD	TBD	TBD	TBD
WEDNESDAY, AUGUST 22, 2018						
7:30AM - 9:00AM	• SYMPOSIUM REGISTRATION with BREAKFAST •					
9:00AM - 12:00PM	Preventive Maintenance on Advance Sterilization Sterrad Units ReMedPar	Excel Quick Tips Dawn Gates Technical Training Specialist NC Employers Assoc.	Introduction to Servicing Portable X-Ray Systems RSTI	BVI 9400 Certification Verathon	Phillips MX Series Monitors Ryan Clary Smoky Mountain Region FSE	CE Fake News, Alternate Facts and Legends Binseng Wang, ScD, CCE Principal Consultant, BSI
10:15AM - 10:30AM	• BREAK •					
12:00PM - 1:30PM	• BUSINESS LUNCHEON •					
1:30PM - 4:30PM	Joint Commission Update Herman A. McKenzie, MBA, CHSP TJC Dept. of Engineering	Effortless Excel Charting Dawn Gates Technical Training Specialist NC Employers Assoc.	CRES Exam Preparation Seminar RSTI	BVI 9400 Certification Verathon	Philips PIIC IX Central Monitoring Ryan Clary Smoky Mountain Region FSE	Benchmarking Your CE Program Binseng Wang, ScD, CCE Principal Consultant, BSI
2:45PM - 3:00PM	• BREAK •					
4:30PM - 7:30PM	• EXHIBIT HALL OPENING RECEPTION •					
8:00PM-10:00PM	• RECEPTION •					
THURSDAY, AUGUST 23, 2018						
7:30AM- 8:30AM	• SYMPOSIUM REGISTRATION •					
8:30AM - 12:00PM	• VENDOR EXHIBIT HALL with BREAKFAST •					
12:00PM - 1:00PM	• LUNCH •					
1:00PM - 4:00PM	Life Cycle Planning Al Gresch Vice President of Client Success Accruent Inc.	PowerPoint Kickstart Dawn Gates Technical Training Specialist NC Employers Assoc.	Digital Mammography QC and Medical Physics Checks RSTI	Servicing Carefusion Infusion Pumps UHS	Philips Wireless Networking Ryan Clary Smoky Mountain Region FSE	Cyber Security and HTM
2:30PM - 2:45PM	• BREAK •					
8:00PM - 10:00PM	• Networking by the Pool •					
FRIDAY, AUGUST 24, 2018						
8:30AM - 9:00AM	• SYMPOSIUM REGISTRATION with BREAKFAST •					
9:00AM - 12:00PM	Data Integrity Al Gresch Vice President of Client Success Accruent Inc.	Biomedical Updates for Computer Security and the Latest Technologies Corinne Hoisington	X-Ray Basics (Part 1 of 2) RSTI	Prime Certification Verathon	Tabletop Sterilizer Maintenance and Repair Neil Blagman RPI	Through the Lens of Lean Healthcare Management George Reed/ Dallas Sutton
10:00AM - 10:15AM	• BREAK •					
12:00PM - 1:00PM	• LUNCH •					
1:00PM - 4:00PM	Overcoming the Fear of Public Speaking Glenn Scales DTM Toastmasters International	Unlimited Possibilities: Office 2019 and Windows 10 Major Updates Corinne Hoisington	X-Ray Basics (Part 2 of 2) RSTI	Prime Certification Verathon	TBD	Medtrology Fluke Technologies
2:30PM - 2:45PM	• BREAK •					

Symposium Course Descriptions

Biomedical Updates for Computer Security and the Latest Technologies

As the proliferation of smart devices begins in earnest, medical workers and biomedical staffers may invite a whole new wave of security risks into their work world and personal lives without even realizing it. Take a 360 overview of what risks exist because any device with an operating system can be hacked, be it a smartphone, medical device, car, or beyond. The Internet of Things has such an exciting outlook, as long as security is planned at every step. The more devices and points of entry there are on a network, the more opportunities there are for an intruder to find a sneaky way in. But that doesn't make these hacks any less clever...or problematic. This is not a BORING security lecture! Be simply "WOW"ed at the measure in which hackers try to trick us! And we will end of session with the latest in medical technology from an Oculus Rift experience and more!

Unlimited Possibilities: Office 2019 and Windows 10 Major Updates

Coming soon in the Fall of 2018, join us for a sneak peek of the features rolling out in Office 2019! New features that play on new inventions such as static ink, which provides the ability to replay those ink strokes as they were drawn lets you illustrate things step by step in Office programs. Wait until you see the Office 3D visual animations live, new formulas and charts in Excel focused at data analysis, Microsoft Stream, Microsoft Forms, and Microsoft Flow. And Windows 10's next big headline features are called Timeline and Activity Cards. See and touch Windows 10 Mixed Reality headset with many new apps to change the landscape of the classroom. Get ready to be enthralled at the possibilities!

CE Fake News, Alternate Facts and Legends

This will be an engaging and instructive session. The audience will be divided into two groups to compete for best answers to a series of 10-15 questions regarding the management and maintenance of medical equipment. By analyzing the answers, the speakers will prove with facts and data which of the audience answers are actually misconceptions ("fake news"), lies ("alternate facts") or myths ("legends") instead of real facts. This entertaining process will increase audience participation and enhance their retention of the key concepts and methodologies after the presentation.

Overcoming Your Fear of Public Speaking

It's sometimes been said that, "I'd rather be in the casket than delivering the eulogy."

Public speaking is frequently seen at the top of the list of things people fear. It ranks above death, spiders and snakes. But over the course of your career, you may find yourself pressed into what you most dread ... making a speech to a large audience of strangers.

The ability to deliver a coherent speech, whether prepared in advance or with little or no notice, is a skill that will greatly enhance your career and help establish you as a professional. Public speaking can be terrifying to some, but it does not have to be.

CRES exam preparation seminar

Preparing for the CRES exam can seem like a daunting task. When you consider each of the six areas of the exam are pretty broad subjects. Just trying to determine what to study can be a challenge. The goal of this seminar is to address not only what you should be studying. But also, how to make the most of your limited preparation time. We will also cover how to take the exam. Test taking is a skill that can be taught. Our goal is to give you the confidence that with the proper guidance and hard work you can take and pass the CRES exam. And be CRES certified!

Introduction to servicing portable X-Ray Systems

This seminar will cover the typical control circuits commonly found in portable X-Ray systems. Including x-ray generation, motor drive, battery charging and locks/brakes. In addition to the theory we will also cover common problems and safety precautions when servicing these systems.

Digital Mammo - QC & Medical Physics checks (1 half-day session)

This course will teach the service engineer the tests that are performed by the medical physicist, and also during an annual PM. We will review the digital detector technology and performance characteristics from the major digital mammography OEM's. We will not only review the QC tests themselves, but also cover:

- How the test/checks are performed
- What tools and test equipment are required to perform system tests/checks
- What are the tests attempting to quantify?
- What are the corrective actions when the tests fail (component replacement, calibration, etc...)

X-ray basics. (Part 1 of 2)

From production of the X-ray beam through its interaction with matter all the way to the production of an image and image receptor technologies.

X-ray basics. (Part 2 of 2)

From production of the X-ray beam through its interaction with matter all the way to the production of an image and image receptor technologies.

Excel Quick Tips

This workshop will help you to discover some of the many time saving tools and features that Excel provides. The need to quickly pull a piece of information from each column of data, to make specific ranges of information stand out, and to find common information within a range of cells are just some of the topics that will be discussed.

- Understanding the power of Flash Fill
- Knowing when to use absolute or mixed references
- Conditional Formatting
- Navigation and selection techniques
- Quick functions and formatting
- Multi-level sorting and filtering tricks

Effortless Excel Charting

Attend this workshop and you will gain a greater understanding of charting concepts, shortcuts and modifications. You will learn more advanced techniques using chart layout tabs and chart formatting types and options walking out having a greater competence at producing Excel charts.

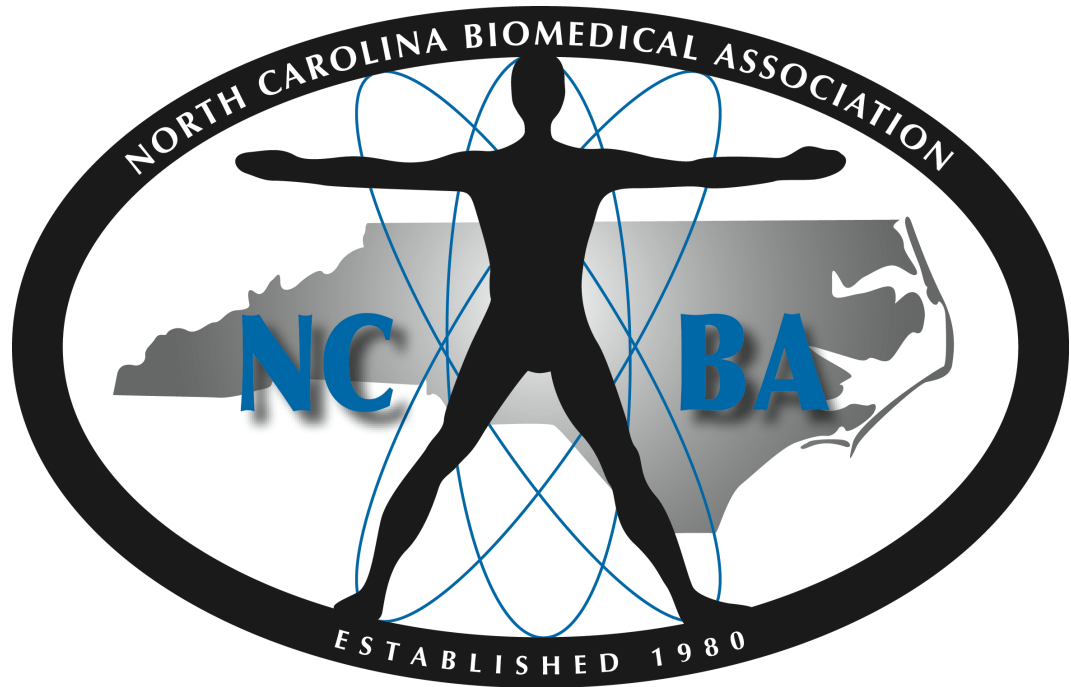
- Creating a chart sheet and an embedded chart
- Creating charts from contiguous and non-contiguous data
- Modifying chart types
- Adding and deleting data and chart items
- Moving, resizing and formatting chart items

PowerPoint Kickstart

Creating a PowerPoint presentation can involve many different questions: how much information is too much, how can I not put my audience to sleep, what graphical tools are available to edit my pictures and enhance my presentation, how can I reuse slides or only use some of the slides from a presentation, is it possible to do a screen recording for training or information purposes, and so much more. Attend this seminar and get these and many other questions answered.

- Reusing slides and Custom Slide Show features
- Removing backgrounds from pictures
- SmartArt and 3D models
- Animations and transitions
- Screen recording and adding online YouTube videos.

Become Board Member



Every year at the annual symposium 6 board members are elected for a 2 year term. We are looking for individuals who have the desire to further the education and improve the lives of the Biomed. In addition to education, supporting the continued growth of the NCBA as an organization is of utmost importance. To serve your biomedical society as a volunteer board member is rewarding in so many ways. It has been a true honor and privilege to serve alongside the other board members, as we plan the symposium, standalone classes, and the board retreat to mention only a few things. If you would like to join this outstanding group of individuals, please send an email to record@ncbiomedassoc.com with your name and contact information. Thank you for your interest in joining the NCBA Board and we look forward to working with you.

Board of Directors

The NCBA board of directors welcomes any comments or suggestions you may have in order that we keep improving the NCBA. Below are the current members of the board who are here to serve you.

President	Glenn Scales, CBET	pres@ncbiomedassoc.com
Vice President	David Wilson, CBET	vp@ncbiomedassoc.com
Treasurer	Terry Morris	treas@ncbiomedassoc.com
Membership Secretary	Jeremy Collins	memb@ncbiomedassoc.com
Recording Secretary	Aaron Watts	record@ncbiomedassoc.com
Ex-Officio	Codi Nelson, CBET	exofficio@ncbiomedassoc.com
Board Member (1)	Chris Carpenter	bod1@ncbiomedassoc.com
Board Member (2)	Thomas Bresnahan, CBET	bod2@ncbiomedassoc.com
Board Member (3)	Patrick Bright	bod3@ncbiomedassoc.com
Board Member (4)	Boyd Campbell, CBET, CRES	bod4@ncbiomedassoc.com
Board Member (5)	Ray Ongirski	bod5@ncbiomedassoc.com
Board Member (6)	Clint McCoy, CBET	bod6@ncbiomedassoc.com
Board Member (7)	Brian Lefler, CBET	bod7@ncbiomedassoc.com