

Midwest Wolfhound

A quarterly newsletter for and about Irish wolfhounds and their people.

Volume XXXXV Issue Winter, 2015-6

**Annual Meeting - Dinner
Saturday, February 6, 2016
Guest Speaker Christine Krowzack, DVM**

Canine Nutrition, Fact & Fable



GLIWA OFFICERS 2015-6

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President's report:

Another year has passed. So long 2015 and hello 2016.

It was once explained to me that our perception of a year is proportional to our time lived. A barely sixty plus youngster like myself then it is a relatively small fraction but to a six year old it is a significant fraction.

Our wolfhounds have much more in common with that six years old. So let it be resolved that in 2016 we will all find a new and healthy way to spend more time with all of our friends on both ends of the leash.

A good beginning would be to join us on February 6th for the GLIWA Annual Meeting and Dinner in the Rockwood Tap House, Downers Grove at 6:30 PM. Our speaker for the evening is Christine Krowzack DVM. The topic of discussion; "Nutrition: Myths, Fables and Pet Food Labels"

For your convenience, you can now pay for this annual dinner with PayPal on our web site. <http://gliwa.org/pay-events/> (Thank you, Joe Mahoney and Mike Philpott for creating this convenient way to pay for all things GLIWA -Kudos)

Mike Cherry

MIDWEST WOLF HOUND ™

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Minutes
TO BE APPROVED

Great Lakes Irish Wolfhound Association
7 November 2015 Board Meeting

Location: Home of Leslye Sandberg

Meeting called to order: 2:32 pm.

Board Members In Attendance:

Michael Cherry, President
Maria Lubera, Vice President
Joe Mahoney, Treasurer
Pat Powers
Doug Morrison
Bill Hurless
Scott Mortenson

Board Members Absent:

Michael Kelly, Secretary
Debbie Greene

GLIWA Members In Attendance:

Madeleine Mahoney
Claire Morrison
Linda Hurless

Minutes:

1 August 2015 minutes were published and approved.

President's Report

-A big thank you to Leslye & Jim for hosting our meeting.

Vice President's Report

-No Report

Secretary's Report (emailed to Claire Morrison & read by Scott Mortenson)

-Three new members within the last two weeks per J. Mahoney.
-Proposal for new member message/greeting:
"On behalf of the GLIWA Board of Directors and the membership, we welcome you to the Great Lakes Irish Wolfhound Association. We're excited you're here! To access the GLIWA.org web site, your user name and password are: XX and XX. Please log in and update your password to

something you'll remember. In addition to the GLIWA web site, you'll receive email from GLIWA about upcoming events and activities. In addition to email communications, you will receive the Midwest Wolfhound, a quarterly newsletter for wolfhound owners.

Again, we're very pleased you've decided to join, and applaud your commitment to learn more about, support, and advance the cause of Irish Wolfhounds. If there is anything that we can do to help, please do not hesitate to reach out to the Associations officers, including: President [Name, email], Vice President [Name, email], Secretary [Name, email], Treasurer [Name, email] and Activities Coordinator [Name, email]."

I would like to highlight the new membership in the GLIWA newsletter so that as new members come on board, the new members feel appreciated and the legacy members feel informed.

-Membership was discussed.

Treasurer's Report

-Mr. Joe Mahoney provided Financial Report for the period of 8/1/2015 - 11/6/2015.

-Joe mentioned that our balance is up from last time.

-Maria Lubera will be added to the Chase debit card/checking account and Debbie Habian and Jane Brown will be removed.

-We paid for two rescues, GLIWA flyers, food for the picnic and our Midwest Wolfhound newsletter.

-Money came in from membership dues, merchandise purchased, donations from event groups, members and rescues.

Activity Report

-Debbie Greene will be taking over the hospitality duties from Barb Pische.

-Motion approved to make a \$50.00 deposit to ensure a Saturday for the annual picnic at Pilcher Park. October 8, 2016 will be requested.

-Joe Mahoney suggested that we have a requirement letter that would be sent to event organizations that have requested our

participation. Claire read a first draft and discussion followed. Great idea.
-February 6 was picked for our annual dinner.
-Our first Senior Center visit was a very positive experience. Mike gave a great talk that resulted in lots of questions directed to and answered by all our members in attendance. Great resulting photos and video.
-New calendar of events will soon be up on our website.

Ways and Means Committee

Ways and Means removed from agenda as items are covered under other categories and therefore redundant.

-Publications Report

-Pat Powers asked for more participation from current members.
-Diane Palumbo was volunteered by a board member to write an article on her first time experiencing Locust Grove.

Rescue Report

-Read by Maria Lubera and approved.
-Rescue fees discussion continued from last meeting and established at \$370.00 (\$350.00 fee + \$20.00 GLIWA membership) with possible sliding scale for older dogs or other appropriate situations.

Old Business

-Report of the Nominating Committee, Official Slate for Election 2016 read by Clair Morrison and sent to Pat Powers for publication in the next Midwest Wolfhound.
-Pat Powers to chair the Membership Drive Committee.
-Pat Powers to create a letter asking our breeders to include a GLIWA membership form, which we will furnish, in their puppy packets.
-Out of Town Agility Demonstration removed from activities consideration.
-Membership listing anomalies are currently being addressed.
-Irish Heritage donation status issue will be corrected by the Policy/Contract Letter that is being created.

New Business

-Proposal by Maria Lubera to place a full page ad for GLIWA Rescue in the Harp & Hound. Motioned and approved.
-Activities Committee to seek a new venue for our annual meeting.
-Mike Philpott to be contacted concerning PayPal creation and website/Facebook updates.
-Helen Philpott has received several items for the GLIWA gift basket that is to be raffled off at the IWCA National Specialty Show next May. She will be asking members for further donations that she will pick up at our annual meeting.

Next Board Meeting: Annual Meeting and Dinner on 6 February 2016.

Motion to Adjourn: 3:45 pm

Respectfully submitted,

Scott Mortenson
GLIWA Board Member



Calendar of Events 2016



Please check our website www.gliwa.org for detailed information or changes

Calendar of Events 2016

The Great Lakes Irish Wolfhound Association is a club that enjoys hosting and participating in many events and activities throughout the year. Anyone interested in our breed is welcome to join us.

We ask that you contact one of our activities directors if you plan on participating in any of these events.

Michael Cherry

at Michaelcherry1704@comcast.net;

Claire Morrison at morrison-iw@att.net

February 6

GLIWA Annual Meeting and Dinner

Held at the Rockwood Tap House
(check inside the news letter for more information)

March 5

Manhattan Irish Parade and Festival

Step off time, 11am.

<http://www.manhattanirishfest.com/>

Manhattan is a far southwest suburb of Chicago, easy to reach from Interstates 80, 55, 57. Our line up position is at the intersection of Thelma and Manhattan-Monee Rd. (North St.) by St. Paul's United Church of Christ. Parking is permitted in the church parking lot. Please do not park on Thelma, Lee or Kay Streets. They will have many floats, trucks, trailers and oversized vehicles. Parking is available on the surrounding streets.

March 12

Naperville St. Patrick's Day Parade

The Illinois St. Andrew Society is sponsoring us. Step off time 10 am. Line up position will be available as soon as I receive it from the committee. They recommend you get there early for parking, sometime between 8:30 and 9am. The Parade begins at the Naperville North High School located at 899 N. Mill Street. It continues south on Mill Street, east on Jefferson Avenue, south on Main Street and west on Water Street to the Municipal Center. www.wsirish.org

March 13

South Side Irish Parade

The Irish American Alliance sponsors gliwa in the south side parade. We will walk along side their float with St.

Patrick. <http://www.southsideirishparade.org/>
Unit line up number # TBD. Line up location; around 102nd and Western Ave. Just look for IAA float.

A suggestion for those who are new to walking in the south side parade; we have found that it is a lot easier to park near the end of the parade. (115th Western) and walk to the designated line up location. This means you would be walking the parade route twice. Although it is a lot of walking, it will be easier than you having to walk back to your vehicle after the parade.

(Please note; parades can be very loud, make sure your wolfhounds are ok with that, and no retractable (flexi) leashes)

March 19

Hoffman Estate Celtic Fest

The Village is hosting its annual Hoffman Estates Celtic Fest. Hours are anytime between 10-5. When responding, please specify the times you will be there. It is held at the Sears Centre Arena, located at the Poplar Creek at 59/90 Entertainment District near the intersection of Route 59 and Interstate 90. This is an indoor event. Entrance and parking is free to all of the festival guests. If you are interested in

attending please email me and let me know so that I can give them a count of dogs.

Always check our GLIWA web site; <http://gliwa.org/events/> or our Facebook page for updates and additions.

Potomac Valley Irish Wolfhound Club Specialty

Apr 03, 2016 - Apr 04, 2016

Harford Equestrian Center, Bel Air, MD

2016 NATIONAL SPECIALTY

May 2 - 5, 2016

Irish Wolfhound Club of America
87th National Specialty
Purina Farms



Gray Summit, Missouri
Conformation Judge: Mr. Thomas Powers,
Powerscourt*

Sweeps Judge: Anne Spalding, Kellcastle*
*pending AKC approval

Host Hotel: [Holiday Inn Six Flags](#)

This page was last updated 09/09/



GREAT LAKES
IRISH WOLFHOUND
ASSOCIATION



Annual Meeting and Dinner
Held at Rockwood Tap House
3131 Finley Road
Downers Grove, IL. 60515
(630-964-3131)

6:30 PM \$38.00 a plate.

Your dinner for the evening includes:

Cesar Salad, Twice Baked Potato, Julienne Vegetables
Prime Rib or Orange Ginger Salmon

Guests will be asked for their choice of entree as they are seated,
before the first course is served.

Vegetarian Pasta dinners are available upon request.
Dessert, Coffee, Tea, Iced tea, and soda. Cash Bar!

Our speaker for the evening, Christine Krowzack DVM
The topic of discussion

"Nutrition: Myths, Fables and Pet Food Labels presented by Christine Krowzack,
DVM. The presentation will discuss common misconceptions about nutrition and
give information on decoding what pet food labels really tell us.

Dr. Krowzack received her Doctor of Veterinary Medicine from the University of
Illinois in Champaign/Urbana. After 30 years in private practice, she is currently
teaching veterinary technology, including nutrition, at the Vet Tech Institute in
Tinley Park, IL.



Please send your reservations to; Joseph Mahoney, 21536 Mattox Lane,
Shorewood, IL. 60404 (815) 582-4708

OR

For your convenience, you can now pay with PayPal on our web site.

<http://gliwa.org/pay-events/>

Please add a \$1.50 PayPal fee for each dinner. In the payment description line put
"Annual Meeting" with how many guests.

(Just ignore the quantity button, it doesn't work!)

GLIWA website Update

By: Mike Philpott, GLIWA website chair

Some of you may have noticed that our GLIWA website (GLIWA.org) has had a few enhancements this past fall; a little cleaning up of old links along with some more significant additional functionality:

Paypal/Credit Card

Online payment of Membership Dues (new or existing), Donations, and Event charges such as Annual Dinner tickets are now provided. Payments may be securely paid using Paypal or credit card, with all major credit cards accepted. The new Paypal payment links are under the MEMBERS navigation bar below the main site banner with additional sub-menus "Pay Dues and Donate" or "Pay Events". The following links will take you there directly:

- <http://gliwa.org/pay-dues>
- <http://gliwa.org/pay-events>

Member Puppy Pics

The main banner of the website has been updated with new pictures of members' puppies. The plan here is to update this roughly once a month. Also an auto-scrolling picture slide show of these and other recently sent-in photos have been added to the home page and to the "Brag" section of the Photo Gallery, respectively:

- <http://gliwa.org/home>
- <http://gliwa.org/our-dogs-2015/brags-photos>

Please send us your puppy pics and "Brag" photos (i.e. dog show wins, , obedience and lure coursing, therapy visits, champion finishes etc.) along with dog name and brief photo description to: GLIWAwebmaster@gmail.com



This article is dedicated to our first Irish Wolfhound, Falco Sunkist Shellane.

Locust Grove Irish Wolfhound Association Pioneers Past & Present

Initially, I liked the *idea* of writing about my first Locust Grove experience until I actually sat down to type. It is a bit intimidating to share thoughts and observations on an event that has deep roots and rich stories. Thank you Gretchen Bernardi for providing a valuable historical resource. That led me to Google, where I read a 2012 article by writer Mary O'Malley of her Locust Grove experience. I'm not a writer, I'm a high school counselor. I swim in the world of adolescent relationships and teen stories. So, I began by looking back over 100 years to weave the past into the present day of Locust Grove for perspective then I'll circle back to my story.

Back story...

The beginnings were formed in Louisville Kentucky with Mrs. Stannye Blakely Musson. A graduate of the Louisville Collegiate School and Bennett College in Millbrook, New York. She owned the Shamrock House, an Irish import retail shop and Stannye's, a women's retail dress shop in Bakery Square in Butcher town. Stannye raised, bred and showed both Irish Wolfhounds and Cairn Terriers. She was the founding member of the Locust Grove Irish Wolfhound Association. Clubs were established in the east and west coasts but absent everywhere in between.

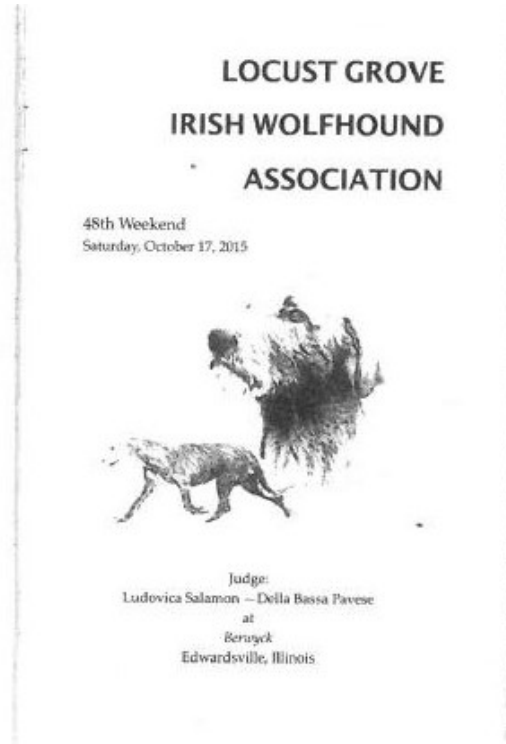
The association's name intrigued me. I learned that "Locust Grove became the only residence still in existence west of the Appalachian Mountains to have sheltered Lewis and Clark" founded in 1790 by William Croghan and his wife Lucy Clark Croghan. Lucy was the sister of the younger William Clark of the Lewis and Clark Expedition. George Rogers Clark was the founder of Louisville. Similar to the American pioneers, the early founders of the Irish Wolfhound Association were in new and un-chartered territory. Their mission was clear however, "to protect a breed and uphold the spirit of worthwhile competition" in the center of the country. The early goal was to gain American Kennel Club recognition. That proved to be difficult, as the AKC did not recognize regional specialty clubs nor their perpetual trophies. An added obstacle was the requirement that a large majority of the members and officers reside in the Louisville area. Permission however was granted for "B" matches in 1973. Note that up until this time, shows were held at the Musson home. The first sanctioned "A" matches were held at Locust Grove in 1976 and 1977. Then a turning point in 1978, charter member Eugenia Hunter reported that the newly formed association had sacrificed too many goals of their own in seeking AKC recognition.

The move to Edwardsville, Illinois proved to "increase the entries by making it closer to more populated areas". Contrary to outsider opinions, the event continues to attract AKC judges, breeders, and welcomed novices with classes for spayed bitches and neutered dogs. According to Gretchen Bernardi, Stannye brought a special touch of true southern class to the events, which I believe continues to this day. Through the years it has been a "who's who" of international Wolfhound judges and breeders. Innovative formats and philosophies have evolved over time. A final and very important note, Locust Grove Irish Wolfhound Association has no members, no officers, no meetings and therefore no dues, yet the events, continue with the support of the generous donations of money, time, trophies and assistance. Select breeders, judges and awards have been intentionally eliminated, as I do not have an expansive and comprehensive list and do not wish to offend any party.



PHOTOS OF THE HISTORIC LOUISVILLE LOCUST GROVE HOME 2015





Welcome Rookies are the first words that accurately describe me/us and our overall experience of the 48th Weekend at Locust Grove, compliments of so many years of tradition, experience and camaraderie not to mention the generosity of the proprietors, Gretchen & Robert Bernardi. My husband, Scott Mortenson and I traveled with our five month old Irish Wolfhound, Keeva. Once we entered the property, we realized that we were trespassing on sacred ground. The view opened up and we felt as if we were transported to another country. Remember, we just traveled four hours over very flat terrain. Soon, we came upon cars, campers and trucks on either side of the road. We parked and eagerly took to the path with our pup. We walked up to an extraordinary English Country style home with stables on both sides. There were open fields on both sides of the house. The autumn weather was exceptional, the company and conversation were provocative, interesting and comforting. Despite having wolfhounds in our lives for less than three years, we were welcomed by breeders, exhibitors and judges.

Big picture, October 17 was *educational* and provided new information about breeding, exhibition and new vocabulary such as: dewlap and fetlocks, "the pendulous fold of skin under the throat of a bovine animal and the joint between the canon bone and the longer pastern bone". We were exposed to the Standard of Excellence and Points in Order of Merit. A practicing veterinarian in Italy and international judge, Dr. Ludovica Salamon provided an informative presentation on Friday night about the use of gene therapy for dilated cardiomyopathy, an experimental approach to the treatment of heart disease. "Ludovica grew up with Irish Wolfhounds, since her mother began breeding under the Della Bassa Pavese affix in 1973. She has since taken over the program and has judged in Italy, Canada, Sweden, England, Czech Republic, Hungary, Australia, Switzerland and Germany."

My rookie opinion, Ludovica modeled poise, professionalism and consistency over several hours on Saturday. Perpetual trophies and prizes were awarded based on several areas of criteria; puppy, yearling, novice, bred-by exhibitor, American-bred, open, veteran, stud, brood bitch, type, hunting and brace. There were 54 exhibitors in attendance with near ninety entries. For the first time, our Keeva donned a show lead (lent to us minutes before entering the ring) with Scott. On a couple of occasions, Keeva was reunited with three of her siblings. We felt like newbie parents watching our little one going off to school. We so enjoyed a front row seat around the ring watching each grouping, the handlers and the judge's directions and ultimate awards.



The weekend was a fun **social** experience. Admittedly, we'd never traveled with any animal up until this weekend so pulling up to a hotel with wolfhound traveling mobiles and dogs present in the parking lot was a new site for us. We met folks from Michigan, Tennessee, Colorado, Pennsylvania, Wisconsin, Iowa, Missouri, Arizona, Nebraska, my birthplace Hibbing Minnesota and re-meeting our friends from Illinois and Ontario Canada. Saturday's event for us personally was priceless. The hosts extraordinaire, Gretchen & Robert Bernardi were the pinnacle of hospitality. After a brisk start and full morning of exhibitions on Saturday, we dined on a delicious gourmet lunch accompanied by a three or four string quartet. Perhaps this is an extension of the comment that Gretchen made about Stannye's true southern class. Saturday evening was equally well beyond our expectations. We cocktailled with breeders, exhibitors and Dr. Salomon at Berwyck. A delicious homemade buffet style dinner was served by none other than Gretchen Bernardi on Saturday evening.

There is an image that remains fresh in our minds as we departed from the weekend. As we drove down the gravel road where cars, trucks and pens filled with wolfhounds had once been, our eyes were drawn to a woman and her two wolfhounds running freely on the estate. The words **strong, independent, pioneering** continue to ring true. This description applies to the wolfhounds, founders, breeders and judges who have continued to carry the torch of this rich annual weekend tradition called Locust Grove. I now understand why there are many reasons why exhibitors and judges travel long distances to participate in this special weekend event. We witnessed (and were welcomed to be a part of) long, deep friendships that were forged for this annual pilgrimage. Whether it's the quality of dogs, or the level of prestige that has strengthened the reputation, but at the end of the day, paraphrasing the proprietor, "it's always an atmosphere of relaxed competition and the pure love of the breed". May the spirit of Locust Grove continue to shine brightly into the future!

Diane C. Palumbo

Treats and Bones



**New Illinois law
makes it illegal to
leave dogs outside
in extreme weather
in 2016!**

Read our story of the month to learn more about why Fetching supports this new law and how your snow-loving pup can still safely enjoy the outdoors this winter!

there a new law, effective Jan. 1, to help protect our furry friends from the weather conditions. There is now an addition to the "cruel treatment" subsection of the Humane Care for Animals Act, "No owner of a dog or cat that is a companion animal may expose the dog or cat in a manner that places the dog or cat in a life-threatening situation for a prolonged period of time in extreme heat or cold conditions that results in injury to or death of the animal." (full text of the Public Act here: <http://ilga.gov/legislation/publicacts/fulltext.asp>... and you can read the entire Humane Care for Animals Act here: <http://www.ilga.gov/legislation/ilcs/ilcs3.asp?ActID=1717>) Pet owners found in violation of this law can now be charged with a Class A Misdemeanor, which is punishable by up to one year in jail or a fine of up to \$2,500 if found guilty.

This is not a law meant to punish responsible owners and their pets who like to enjoy the winter weather together; it is about people who leave their dogs unattended for hours in unsafe extreme weather, which in addition to death, depending on the season, can also lead to hypothermia and extreme frostbite in the winter, or heat stroke in the summer.

So, what do you do if you see this happening? Call the police, 911!! It is a crime!!



Genome-Wide Association Studies Uncover Bone Cancer Risk Loci in Dogs

Dec 12, 2013 | a GenomeWeb staff reporter

NEW YORK (GenomeWeb Daily News)

— Bone cancer risk loci in dogs vary by breed, but a number overlap in pathways linked to bone formation and growth, researchers from Uppsala University and the Broad Institute reported in *Genome Biology* yesterday.

The researchers, led by Kerstin Linblad-Toh, conducted genome-wide association studies in three dog breeds — greyhounds, Rottweilers, and Irish wolfhounds — that are highly susceptible to bone cancer, and found 33 inherited risk loci linked to the disease.

"Our results show that the pathways involved in bone formation and growth are important for the disease," said Linblad-Toh, a professor at Uppsala and the director of vertebrate genome biology at the Broad, in a statement.

Osteosarcoma is an aggressive cancer that, in people, typically strikes children and adolescents and has a high mortality rate. Though bone cancer is more common in dogs, especially large breeds, and the dogs tend to be relatively older, canine osteosarcoma follows a similar progression to human osteosarcoma: tumors form at the ends of long bones and metastasize easily, often to the lungs, the researchers noted.

"Because of the great similarities between bone cancer in dogs and humans, we believe that our findings may contribute to an increased understanding of how bone cancer develops in humans," she added.

In this study, Linblad-Toh and her colleagues genotyped 334 greyhounds, 166 Rottweilers, and 174 Irish wolfhounds using the Illumina canine HD array. They noted that the three breeds were visibly discrete populations and that the 267 racing greyhounds clustered near, though apart from, the AKC greyhounds.

From this, the researchers uncovered 33 regions associated with bone cancer in these dogs, though they saw no overlap in regions between breeds. These 33 loci account for some 50 percent to 80 percent of the disease risk in the breeds, the researchers noted.

They tested those top 33 regions for fixation in the other breeds, finding that the risk allele associated with the top greyhound locus is fixed in Rottweilers and Irish wolfhounds.

By sequencing the locus in eight greyhound cases and seven controls, the researchers homed in on a 15 kilobase non-coding region near CDKN2A, CDKN2B, and CDKN2B-AS1/ANRIL. CDKN2A and CDKN2B, both tumor suppressor genes, regulate the cell cycle, while CDKN2B-AS1/ANRIL is an anti-sense non-coding gene. Altered levels of CDKN2A have been linked to hematopoietic stem cell senescence and development.

Additionally, the researchers pointed out that the risk haplotype at 11q16 is syntenic to a non-coding regulatory region in the human chromosome 9p21, which is deleted in between 5 percent to 21 percent of human osteosarcoma. They also noted that 9p21 is one of the most complex regulatory regions in the human genome.

That led the researchers to suggest "that variant(s) carried on the risk haplotype disrupts enhancer elements upstream of the CDKN2A/B locus, thereby altering expression of one or more genes in the region."

In a human osteosarcoma cell line, Linblad-Toh and her colleagues searched for enhancer activity linked to the CDKN2A/B locus using renilla/firefly luciferase assays. One fragment, containing a top SNP, increased expression by more than 30 fold. In mammals, that SNP is usually a C or a T, but the risk allele A is present in 87 percent of greyhound cases and 68 percent of greyhound controls. Further analysis indicated that PAX5, which regulates B-cell and osteoblast differentiation as well as bone formation, could bind the non-risk C allele, but not the A risk allele. That risk allele was also found at high frequency in Rottweilers and Irish wolfhounds as well as in Leonbergers and Great Pyrenees, two other breeds with high rates of osteosarcoma.

Through pathway analysis, the researchers determined that a number of the 33 regions associated with osteosarcoma in the three dog breeds are linked to bone differentiation and growth, and that the regions are interconnected.

For example, they reported that OTX2, an orthodenticle homeobox protein which was linked to bone cancer in greyhounds, is connected to six other risk loci, including the osteoblast differentiation regulators BMPER and VWC2, and EN1, which modulates osteoblast differentiation and proliferation.

Since GWAS can't detect alleles that are fixed in populations, the researchers examined those regions in each of the breeds, and noted that a number of the fixed regions included genes implicated in bone development and bone cancer. Then by comparing these regions of reduced variability in these dogs to some 28 other breeds, the researchers found seven gene sets that were inflated, including the KIT, p53, and PDGFRB pathways.

Using array CGH, the researchers also examined the frequency and distribution of copy number variation in 20 dog bone cancer tumor samples. The profiles, the researchers reported, were highly similar to each other as well as to CNV profiles of human osteosarcoma. In particular, the tumor samples tended to gain MYC and RUNX2 while losing RB1 and CDKN2A/B.

A recent human GWAS of osteosarcoma, published in Nature Genetics in June, identified two loci, one in the GRM4 gene and one in a gene desert, linked to the disease.

While the canine risk alleles Linblad-Toh and her colleagues uncovered don't include GRM4, they do include other glutamate receptors.

The importance of glutamate receptors in both canine and human osteosarcoma suggested to the researchers that glutamate signaling could be a potential therapeutic target. They noted, though, that as that pathway has diverse physiological functions, such as in learning and memory, targeting it with a therapeutic could be difficult.



Innovation

'Bone Foam' That Gets Injected Into Bone Could Help Treat Osteoporosis And Other Bone Diseases – and in dogs, too.

Our bones are constantly regrowing. They attain peak mass some time in our 20s before slowly getting weaker as we age. This increases many people's risk of osteoporosis, a condition characterized by weak and brittle bones, and their subsequent risk of fractures from something as minute as a cough. To combat this decline in bone strength, researchers from France have developed an injectable foam that helps to repair bones.

Injectable calcium phosphate cements (CPCs) are often used in orthopedics and traumatology. They're made of bioactive and biodegradable grafting materials that come in powder and liquid form. When mixed together, they create a calcium-like material similar to the calcium in our bones. This mixture allows surgeons to fix and harden degenerative bones over the course of their surgery with relative ease and flexibility. It's also biocompatible, self-setting, and non-toxic.

The new study, published in *Acta Biomaterialia*, builds on this material. Before, scientists had difficulty making CPCs macroporous, or having pores larger than 50 micrometers. While studies have found conflicting evidence regarding how porous bones should be to facilitate regrowth, the range seems to be between 100 and 300 micrometers — in people with osteoporosis, bones are far more porous.

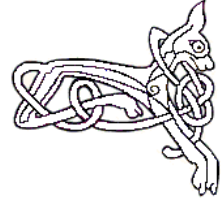
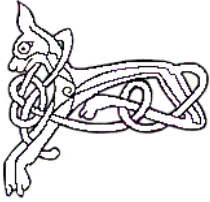
Led by Pierre Weiss, from the University of Nantes, the research team developed a type of CPC that is both self-setting and macroporous. To do this, the researchers created a foaming agent that produces air bubbles in the CPC mixture. They loaded one syringe with monosodium phosphate, a common industrial chemical, and a second with silanized-hydroxypropyl methylcellulose — a type of hydrogel — into another. Then, they connected the two. By plunging both syringes simultaneously, they were able to create a hydrogel foam, which is meant to create larger pores. They then inserted the foam into another syringe connected to a syringe with CPC paste. Again, they plunged both syringes, which then created the foamed CPC paste.

To determine if the foam could actually repair degenerated bone, the researchers applied it to tiny defects in the thigh bones of rabbits. After a week, they found the foamed CPC had entirely filled the defect as well as maintained the macroporous structure they were looking for. Six weeks later, they found it had acted as a scaffold to facilitate new bone growth; there were newly formed bones within the CPC itself, fitting together uniformly.

To the best of the team's knowledge, this is the first time a hydrogel foam has been used in conjunction with CPCs to create a macroporous paste. The researchers also noted their CPC paste "exhibits a good injectability and an excellent cohesion, which are needed for clinical application."

Further studies are needed to show just how effective their paste can be, but the researchers believe it will one day help to prevent some eight million osteoporosis-related fractures each year across the globe.

Source: Weiss P, et al. A simple and effective approach to prepare injectable macroporous calcium phosphate cement for bone repair: Syringe-foaming using a viscous hydrophilic polymeric solution. *Acta Biomaterialia*. 2015.



Report of the Nominating Committee Official Slate for Election 2016

According to GLIWA By-Laws, the Nominating Committee respectfully offers the following Official Slate of Candidates for Election at the February, 2016 Annual Meeting of the Members, as ratified by the Board of Directors at the November 2015 meeting:

For:

President (1year term)	Michael Cherry
Vice President (1 year term)	Maria Lubera
Secretary (1year term)	Michael Kelly
Treasurer (1year term)	Joseph Mahoney
Director: (2 year term)	Bill Hurless
Director: (2 year term)	Pat Powers

The following are completing their original 2 year terms, and are not up for re-election:

Director (2 year term)	Debbie Green
Director (2 year term)	Douglas Morrison
Director (2 year term)	Scott Mortenson

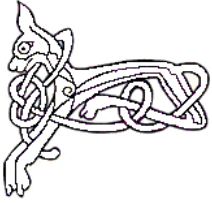
This shall serve as the sole Official Notice to the Members, per By-laws, of the Official Slate of Candidates for election.

Nomination by Petition, Proxies, Write-in Ballots:

According to GLIWA Bylaws any 10% of the members eligible to vote may nominate by petition a candidate or candidates for any office or directorship. A copy of the Nominating Petition Form is included. For the 2016 election, 10 signatures of members eligible to vote shall be required for EACH person nominated by petition for any office of directorship. The Secretary must receive nomination petitions no later than 10 days prior to the date of the Annual Meeting.

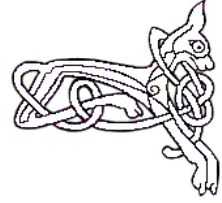
Proxy Statements will be accepted in lieu of attendance from any member eligible to vote at the Annual Meeting. While no official form is required, we have included a Proxy Ballot with this letter.

Per By-laws, "Write-in" votes and "Floor Nominations" shall NOT be accepted.



Membership Enrollment

Please Print (you may copy this form for your convenience)



Name _____ Phone (home) _____

Address _____ Phone (other) _____

City _____ State _____ Zip _____ E-mail _____

All Membership Expire March 30

This membership is (check ALL that apply):

- New
 Renewal
 1 year
 2 years
 3 years

- Individual Membership
 -\$20 per year
 -For adults over 18 yrs
 -Entitles member to all rights and privileges

Membership dues enclosed: \$ _____

Rescue/Education Donation \$ _____

Total amount enclosed \$ _____

Make checks payable to Great Lakes Irish Wolfhound Association

- RESCUE AND WELFARE DONATION \$ _____
 A strictly voluntary donation to the GLIWA Rescue & Welfare Fund-to be used solely for the healthcare and placement of Rescued Irish wolfhounds.

Signature _____

- Education fund donation \$ _____
 A strictly voluntary donation to be used solely for educational materials (i.e. pamphlets, handouts, etc.), displays and programs.

For office use only

Dues received \$ _____

Donation received \$ _____

Date current membership expires _____

- TROPHY AND AWARD DONATION \$ _____
 A strictly voluntary donation to be used for our Annual Spring Match.

- Family Membership
 -\$30 per year
 -Entitles family to one (1) copy of newsletter
 -Age restrictions the same as for individual and junior members.

Please list additional family members and dogs' names.

Please mail enrollment form to:
 Great Lakes Irish Wolfhound Association c/o
 Joe Mahoney, Treasurer
 21536 S Mattox
 Shorewood, IL 60404



Proxy Ballot
Annual Members Meeting, February 2015

Article IV Section 8: Proxies. Any Member entitled to vote at any meeting at which a vote of the Members shall be taken shall be entitled to submit at any time prior to the beginning of such meeting, a written and signed Proxy Statement which shall serve as said Member's vote on every matter specifically addressed by said Proxy Statement; provided that any Member may withdraw his or her proxy by personally attending the meeting for which the proxy was submitted. All Proxy Statements must be in writing, signed by the Member, and must express the Member's specific vote on each issue addressed by said Proxy Statement. It shall be the duty of the Board of Directors to ensure, insofar as it is reasonably possible, that the Member's intentions are accurately included in the official tally of votes.

I, _____, a member in good standing of the **Great Lakes Irish Wolfhound Association** do hereby cast my vote(s) by proxy as follows:

For the official slate of candidates for election.

For the official slate of candidates for election, **except** as listed below.

For the candidates for election listed below.

Name Office or Directorship

Name Office or Directorship

Name Office or Directorship

Signed

Nominating Petition
Annual Members Meeting, February 2015

Article VII Section 3: Nomination by Petition. Any ten percent (10%) of the Individual Members eligible to vote at any Annual or Special Meeting of the Members may nominate in writing a Candidate for any Office or Directorship. The Secretary shall provide each Member, along with the official Notice of the Official Slate of Candidates, and at the Association's expense, one (1) copy of a standardized Nominating Petition Form for the Member's use. The Secretary shall provide any Member with one (1) copy of a standardized Nominating Petition Form at any time upon such member's written request. No other format shall be used for nomination. Completed Petition Forms shall be filed with the Association not more than sixty (60) days and not less than ten (10) days prior to the first day of the Annual Meeting at which the **Nominees by Petition shall stand for election.**

We, the undersigned members in good standing of the Great Lakes Irish Wolfhound Association, do hereby nominate:

For election to the position of:

Looking for a new puppy?

For breeder referrals call

Maria Lubera

630-279-7179

**Or contact the Irish Wolfhound Club
Of America**

www.iwclubofamerica.org

**We can help you find a reputable breeder who
cares about health and temperament. We also
have a Breeder Referral section in our website
www.gliwa.org.**



Reputable breeders want to meet the people who are going to have their puppies. Please be careful to check out any breeder before getting your new puppy and beware of buying a puppy over the internet sight unseen.

GENTLE WHEN STROKED ~ FIERCE WHEN PROVOKED